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ARCHITECTURE AND MATERIALS

IN the more placid days of peace there was a certain cleavage within the architectural profession as to the direction in which we should look for inspiration in design. At one extreme were those who thought that the common sense of building had already been explored to its innermost recesses, and that design was thus inevitably inspired by the traditional usages of the builders of history. At the other extreme were those who felt that civilisation had opened an entirely new chaper, and that the paramount facts of the age were the discoveries which science had revealed, to change the face of human habit. Between the two were a comparatively few level-headed men who saw more clearly that life just goes on, picking up fresh ideas and carrying on with many old ones, so that changes of habit come gradually with no great shock to the older folk, and with no very irksome restraint to the younger.

The outcome of differences which seem so irreconcilable when viewed from the opposite ends of the scale thus resolves itself into a very tolerable human pattern in which the wordy warfare, which is the meat of conviction, remains unbitter and bloodless.

To-day, we arrive at a new, though temporary, stage in which the difficulties into which science, run amok, has landed us can be resolved only with the help of science in saner mood. Think as we like that the past was more warm and gracious in pattern than the hustled present, we know that we shall not survive unless we can find the means of doing things tolerably well at a much greater speed than we were able to contrive by old and tried methods. So we enter a period in which men who once thought themselves diametrically opposed in thought find themselves side by side in a common purpose, one faction finding a certain satisfaction that the cause they have preached for decades appears now to be justified, the other entering upon the task with a certain distaste, buoyed up with the thought, fathered by the wish, that this is a temporary embarrassment which must quickly give way to a more placid order.

There is a risk to architecture from both sides. From one we are threatened by such an orgy of "newness" that our old England may be swamped with it, and, from the other, men doing things in which they have no faith can also do untold harm. The title of the latest of the "Post-War Building Studies" to be published (price 2s. 6d.) by H.M. Stationery Office for the Ministry of Works, "The Architectural Use of Building Materials," thus makes a very timely arrival to suggest a common-sense basis for the familiar and unfamiliar tasks which the architect has to undertake at high pressure during the time of urgent need upon which we have entered.

This publication follows the high tradition and standard which its 17 predecessors have set up, and it deserves the highest praise both for its style and make-up and for the instructive substance of which it has been built. It adopts a model for the proper approach to the architectural problem by the glances back and forward which it takes, and without which no architect can set his course.

It adopts no rigid party attitude to materials by favouring hose which have been blessed by history or those which the cunning of scientists have brought to the fore, and, as a consequence, the illustrations, which show on one page the textures of stone rubble, diapered brickwork and flint, and on another bush-hammered concrete and concrete laced with tiled courses, offer not so much the contrasts of opposing creeds as the wealth of alternative methods, each suitable to its purpose. When we can read history like this, as a continuous process of which we are still a part, we experience a sense of heightened dignity to reinforce the designer at his task.

Perhaps the most remarkable feature of the publication is that neither the modernist nor traditionalist reading it can find either cause for offence nor reason for elation at scoring over his fellows. The balance of judgment has been adjusted to a nicety by men of an orderly frame of mind, among whom are some well-known figures.

The chairman of the committee which was given the task of treating the subject is Mr. Edward Maufe. Those who have seen his Guildford Cathedral in the making, and who have heard him explain its conception, will understand the quality of leadership which has led up to the result. There is perhaps no more difficult task than the blending of ancient tradition with the living present as in a modern cathedral, and at Guildford it has been performed with great skill and success. Much of this success has come from a skilful use of materials, whether in the modern brickwork, which differs so little from ancient brickwork, or in the surface treatment of concrete, for which no precedent exists to help.

It is natural that a considerable section of the book should be devoted to the treatment of external finishings, for architecture is one of the visual arts and the surface is the dominant part of its conception. Until we have learned methods by which concrete can be readily made an interesting material in appearance as well as in adaptability, suitable renderings will continue to be an important part of concrete design. The surface treatment of all framed construction is also decisive.

The factors of surface treatment are weatherproofing, resistance to erosion, economy, and pleasantness of colour and texture. Of these, probably texture holds the place of honour, for, whereas colour can be applied, texture remains almost a part of the structure. There are many valuable notes upon this subject which deserve the closest study, especially the close relationship between interest of texture and the efficacy of the result. In particular may be noted the lack of interest in smooth unbroken surfaces, and their liability to crack and craze, with inevitable failure as a protective finish.

We have no hesitation in recommending to our readers the study of this thoughtful little text-book, for it deservedly ranks as such. There is every temptation at the present time to take risks and claim justification from the pressure of circumstances; or to refuse adventure because of risks which thought can reduce to manageable terms. Such books as this do much to show the way towards the reasonable approach to sound building in unfamiliar media, and we would do well to apply the architect's test of method to means as we enter upon one of the most portentous periods in architectural history.

NOTES AND NEWS

Housing Production Executive.

A HOUSING PRODUCTION EXECUTIVE, consisting of five Ministers—Mr. Bevan (Health), Mr. Isaacs (Labour), Mr. Wilmot (Supply), Mr. Tomlinson (Works), and Mr. Westwood (Secretary for Scotland)—has been set up by the Government with the purpose of co-ordinating the work of their Departments in the production of houses. Mr. Bevan is chairman.

Mr. A. A. Saunders, former Director-General of Housing Supplies (and, during the war, Co-ordinator of Radio Production), has been appointed Co-ordinator of Housing Production. He will obtain from each Department information on housing requirements as they affect labour and materials, phasing and progress, and he will draw early attention to likely shortages and will suggest remedies or alternatives.

Building Materials Distribution Inquiry.

THE Minister of Works has appointed an independent Committee, with the following terms of reference: "To examine the organisation and methods of distribution of building materials and components with particular reference to cost and efficiency, and to make recommendations." Sir Ernest Simon has consented to act as chairman, and the other members will be Sir Sam Brown, solicitor, Professor Arnold Plant, economist, and Mr. R. E. Yeabsley, accountant.

The Committee are proposing to invite representative bodies of builders' merchants, manufacturers and purchasers of building materials to submit evidence to the Committee. Any communications concerning the work of the Committee should be addressed to the Secretary at the Ministry of Works, Lambeth Bridge House, S.E.1.

Sir Percy Thomas.

THE retiring president of the R.I.B.A., Sir Percy Thomas, entertained the staff of the R.I.B.A. at a party on Tuesday, June 18. To the staff especially his retirement brings a very real sense of personal loss. During his five years as president he has taken a very keen interest in every member of the staff. His personal contact with them has resulted in a very happy atmosphere of pleasant collaboration. In particular, these ties were strengthened during the difficult war years, and the ease with which the Institute was able to re-absorb those returning from war service was, in large measure, due to this co-operative spirit.

To wish Sir Percy good luck, but not goodbye, he was presented by the staff with two books and a pen. Later, the senior members of the staff entertained the president to a theatre and supper afterwards.

Luncheon to Mr. Edward Carter.

AT a lunch on the same day, the Council entertained Mr. Edward Carter, the late librarian. In his toast, the President referred to the very great part which Mr. Carter had played in the development of the Institute, and congratulated him on the important position which he was about to take up with U.N.E.S.C.O. The President stressed how sorry all the members and staff of the Institute were at Mr. Carter's departure. He said that the Council were anxious to make some presentation to Mr. Carter in memory of his 15 years' valuable service, and that Mr. Carter had asked for a painting of his house at Keat's Grove. It was hoped to arrange for this to be done as soon as possible.

NEW USES FOR A.R.P. EQUIPMENT. An Agricultural Shed. (See Note on this page.)

"Design of Houses" Exhibition.

A "DESIGN OF HOUSES" exhibition, constructed so that it forms a compact unit which can be conveniently sent on tour, is being offered on loan free of charge by the Ministry of Health to local housing authorities throughout England and Wales. It has been planned to explain to the general public the main recommendations made in the Housing Manual, 1944, on design, layout and space standards.

The exhibition is a self-contained display, but the Ministry has suggested to local authorities that it can be used most effectively as a "background" to a local exhibition which shows models, plans or sketches of the actual houses being built by the local authority. In this way the public will be able to see how the local council, in the light of the Ministry's general recommendations, is trying to get a design and layout which suits local conditions and needs; and visitors to the exhibition will be invited to put forward comments and suggestions.

Six sets are available for loan. So far 87 local authorities have applied to borrow the display to supplement the local exhibitions they are organising.

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Peace-Time Uses for A.R.P. Material.

AN exhibition, organised by the Home Office, of peace-time uses for "Anderson" and "Morrison" shelters is now on view at the National Theatre site, South Kensington. Much ingenuity, clearly the result of a "Meccano" upbringing, is displayed in the re-use of these insignia of passive defence, though we cannot commend all the constructional flights of fancy which are on view. The idea, for instance, that owners of houses should apply sections of Anderson shelters to the purpose of door canopies is ingenuity run riot, while the thought of sections of shelters and static water tanks going down through the years as garden huts and garages is not lightly to be borne. Expediency must surely be tempered by discretion, and many of these weapons of defence would surely be better if beaten into ploughshares.

With these reservations, there is much of interest in the exhibition. Water towers, cart sheds, implement sheds (illustrated) and other buildings for agricultural uses are among the most successful. The road-side shelter (illustrated) is quite attractive, too, though all these structures would require periodic painting for protection. Other exhibits will be the poultry-farmer's delight, but not ours, or, we believe, anyone's who has a care for the appearance of the countryside. Except for a few of the uses proposed, these shelters, which have honourably done their duty in the war, deserve decent interment in the melting-pot. Why not accord them that dignity?

Dr. Holden Honoured.

THE Senate of London University has decided to confer the honorary degree of D.Lit. upon Dr. Charles Holden, LL.D., F.R.I.B.A. The degree will be given in November.

Birthday Honours: 2nd List.

THE second part of the King's Birthday Honours includes the names of the following who have been awarded the O.B.E.: Mr. A. Bailey (Principal Scientific Officer, B.R.S.); Mr. N. Black (Chief Estates Surveyor, M.O.W.) Mr. F. E. Drury (member, Builders' Registration Advisory Committee); Mr. C. A. F. Hastilow (lately

Director of Paint Materials, M.O.S.); and Mr. W. A. Ross (Director of Works and Services (Scotland), M.O.W.).

Town-Planning Exhibition for Holland.

THE town-planning exhibition "Rebuilding Britain" arranged by the British Council and the R.I.B.A., which has been a notable success in Stockholm, is going next to Holland and will open on July 6 at the Bogmans Museum, Rotterdam. It shows how British planners are dealing with such factors as industrial changes, war damage and slums. There are development plans, with illustrations, of Ashford, Coventry, Durham, Exeter, Manchester, Norwich and Plymouth, historical examples of town-planning, including Regency London and Bath, and maps and other planning data.

Appointment.

MR. T. L. MARSHALL, A.R.I.B.A., has been appointed City Planning Architect to Portsmouth, and MR. F. W. PRATT, B.Sc., City Planning Officer.

England's Oldest Garden.

ARCHITECTURAL sight-seeing was an attraction at the party in College Garden —England's oldest garden—given on June 13 to celebrate the return of Westminster School after six years' evacuation. The Garden has not been built on since 1065, when Edward the Confessor's Abbey was completed. Thanks to well-sited architectural and historical notes specially placed on the various School buildings thrown open for the afternoon, guests were able to enjoy informative strolls which brushed up their history by a study of architecture. Among the historic buildings on view were Ashburnham House, whose Inigo Jones interior is now known all over the world as the war-time Churchill Club; College Dormitory, the Wren facade of which is intact, though the interior was gutted in the 1940 blitz; College Hall, whence the younger of the "Little Princes in the Tower" was taken away to his death in 1483; and No. 17, Dean's Yard, former home of famous clerics, which has been presented to the School by the Westminster School Society.

Guests showed great interest in the link extinguishers outside 17, Dean's Yard. They are the last to be used in London, King's Scholars having snuffed their torches in them after conducting the King and Queen to the Latin Play in 1937.

Manchester City Architect Short List.

THE following is the short list of applicants for the position of Manchester City Architect, who were interviewed on June 27:—

Mr. J. Blackett, deputy borough architect, Newport (Mon.); Mr. L. C. Howitt, acting city architect, Manchester; Mr. F. A. C. Maunder, Bucks County Architect; Mr. A. Steele, senior architect, Southwark; and Mr. T. R. Wood, regional architect to the Ministry of Health, Leeds.

The position, which is vacant through the appointment of Mr. G. Noel Hill as architect to the Lancashire County Council, carries a salary of £1,750, rising by annual increases of £125 to £2,000.

Town Planning Institute: New President.

AT the first meeting of the newly-elected Council of the Town Planning Institute, held on June 21, Mr. H. W. J. Heck, of Bristol, was elected President for the year 1946/47.

The Late Mr. P. W. Birkett, A.R.I.B.A.

WE regret to record the death, in Westminster Hospital, on June 24, of Mr. Philip Walter Birkett, A.R.I.B.A., County Architect to the Lindsey-Lincolnshire County Council.

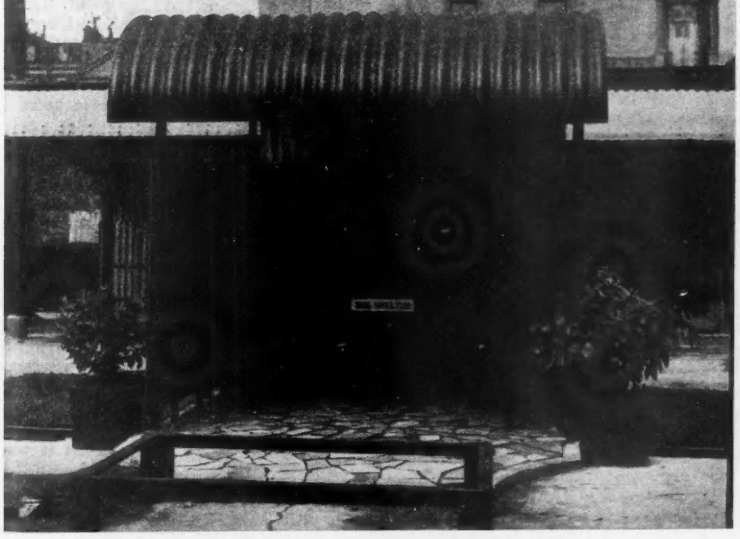
Professional Announcement.

MR. WILFRID G. WRIGHT, A.R.I.B.A., chartered architect, surveyor, has recommenced practice at 8, Peacock-lane, Leicester (telephone: 58974), and will be glad to receive trade catalogues, etc.

From *The Builder* of 1846.

Saturday, June 27, 1846.

INIGO JONES. Mr. Godwin said [at a meeting of the R.I.B.A.] that the mention of a tomb raised by Inigo Jones to another forced him to remark on what he had always considered a matter of reproach, namely, the want of a fitting and permanent memorial of Jones himself. He was buried, as many would remember, in the church of St. Benet, Paul's Wharf, but there was not even a tablet to record the fact, and he thought it incumbent on the architects of England, if not on others, to supply the deficiency.



NEW USES FOR A.R.P. EQUIPMENT. A Bus Shelter.

R.I.B.A.
ELECTION OF PRESIDENT AND COUNCIL

AT a general meeting of the Royal Institute of British Architects, held on Tuesday, the results of the annual elections to the Council were made public.

MR. LANCELOT HERMAN KEAY, O.B.E., M.Arch.(Lvpl.), of Liverpool, was elected President.

Following is an extract from the Scrutineers' Report, giving the result of the election for six Members of Council, three Associate Members of Council, and one Licentiate Member of Council:—

PAST-PRESIDENTS: W. H. ANSELL, M.C. (unopposed); SIR PERCY THOMAS, O.B.E., Hon.LL.D. (unopposed).

MEMBERS OF COUNCIL.
Elected.

	VOTES
T. C. HOWITT, D.S.O. (Nottingham)	1,339
C. G. STILLMAN	1,301
VICTOR BAIN (Leeds)	1,077
A. C. BUNCH (Leamington Spa) ...	960
JOHN SWARBRICK	948
S. W. MILBURN, M.B.E., M.C. (Sunderland)	708

Not elected: Anthony M. Chitty, C. H. Aslin (Hertford), L. C. Howitt (Manchester), Gordon Stephenson, H. T. Seward (Manchester), Miss Joyce Townsend (nr. Cheltenham), Herbert Jackson (Birmingham), J. Ralph Edwards, R.W.A. (Bristol), Christopher Nicholson, Raglan Squire, F. R. Steele (Chichester), J. C. Shepherd (Henley-on-Thames), J. P. Nunn (Manchester), V. L. Nash, Howard V. Lobb, A. F. B. Anderson, J. W. M. Dudding (Nottingham), M. Hartland Thomas, A. E. Henson, T. N. Cartwright (Nottingham), David Stokes, Frederick Barber (Kingston-on-Thames).

ASSOCIATE MEMBERS OF COUNCIL.
Elected.

	VOTES
PROFESSOR W. G. HOLFORD ...	1,481
R. H. UREN	843
J. L. GLEAVE (Edinburgh)	598

Not elected: J. T. Castle (Bradford), A. G. Ling, W. E. Tatton Brown, Birkin Haward (Ipswich), Kenneth J. Campbell (Welwyn Garden City), L. R. Stedman (Farnham, Surrey), P. E. A. Johnson-Marshall (Coventry), H. T. Cadbury-Brown, Colin St. C. R. Oakes (Fipe, Sussex), George L. Greaves (Stoke-on-Trent), John Harrison (Kingston-on-Thames), W. W. Fisk, S. A. V. Johnson-Marshall (Hertford), E. D. J. Mathews, Winston Walker, F. C. Otton (New Malden).

LICENTIATE MEMBER OF COUNCIL.
Elected.

	VOTES
W. DOBSON CHAPMAN (Macclesfield)	448

Not elected: C. Bertram Parkes (Birmingham), H. J. E. Pyne (Lancing, Sussex), Guy H Nicholls, F. C. Wakeford (Bromley, Kent), Gwyn H. Morris (Coventry), H. N. Haines.

Photographic Records in Berks.

THE fifth annual report of the Berkshire Architectural Records Committee covers the period from January 1 to December 31, 1945, and states that in the five years in which the Committee has been functioning it has received 5,317 different photographs and 1,801 negatives and also the Taunt Collection of about 1,350 negatives. The result is that Berkshire now has a collection of local views such as is possessed by few other counties. The local historical value of the collection is being realised and it has been consulted several times recently by inquirers.

With regard to the position generally, there is still much photographic recording waiting to be done. At the end of 1945 no photographs had been received of 17 parishes in the county, and of many others only a small number had been sent in. The Committee again expresses its thanks to the various societies and helpers to whose assistance the success of the work is due.

DEVASTATION IN GREECE

The following article on the state of Greece and the measures necessary for reconstruction has been based on reports prepared for the Greek Government by Mr. P. A. Sakellarios, a young Greek architect, who was recently in London at the instance of the British Council. The article gives some picture of the scale of the work of reconstruction that faces Greece.

A MONTH or so ago the office of Under-Secretary of State for Reconstruction was founded for the purpose of undertaking the reconstruction of Greek towns and villages, of dwellings, shops, factories and farms that cover the whole country with their ruins.

The Under-Secretary of State for Reconstruction undertook the heavy task of the chief responsible executive for the reconstruction of the country, fully aware of the magnitude of the problem, but also of its importance, for, if in other countries reconstruction is necessary to raise the financial and educational standard, for Greece it means existence itself.

During the past few months officials of all the relevant Greek Ministries and organisations that may have any say in the matter, helped by a large staff of technical experts of the Under-Secretary's office for Reconstruction, have laboured to reach definite conclusions as to the amount of building reconstruction that has to be done. These conclusions have been drawn from special investigations started during the occupation and continued to the present day by the Ministry of Public Works (through the county engineers and seventy architects and civil engineers who for two months studied a ruined district each), the Ministry of Agriculture (through its agricultural services), the Ministry of Assistance (through engineers, heads of communities and centres of assistance), the Bank of Agriculture (through its technical service), and the Red Cross (through groups of doctors, sociologists, etc.).

The Scale of Destruction.

The committee, which was constituted of representatives of the above-mentioned ministries, organisations and the U.N.R.R.A., came to the following conclusion:—

Totally and partially destroyed dwellings and those that suffered various damages are divided into the following categories:—

	Rural	Urban
(1) Totally ruined ...	118,000	37,500
(2) Partially ruined...	16,000	25,500
(3) With few damages and in bad repair	787,000	737,000
Totals	921,000	800,000

These figures should be reduced to a common unit to illustrate their true significance. The best unit is that of the typical average Greek dwelling-house. An agricultural building corresponds to such a unit, whereas an urban building corresponds to two units. A partially ruined building corresponds to 50 per cent. of a whole building, and general wear or small damage corresponds to 12 per cent. of a whole unit, as resulted from the investigations and estimates made. The figures mentioned above, reckoned in units of average Greek dwellings, become:—

	Rural	Urban
(1) Totally ruined ...	118,000	75,000
(2) Partially ruined...	8,000	25,500
(3) With few damages and in bad repair	94,000	88,500
Totals	220,000	189,000

These losses of the building wealth of the country represent a value of 61,350 millions pre-war drachmæ, or, if reckoned at the present cost of building in Greece, 6,135,000 millions of present-day drachmæ.

The Work Ahead.

This widespread damage has resulted in:—

(a) *Loss of Capital.* The country has lost in buildings a national revenue equal to a full year's pre-war work of the whole population, or two years' post-war work. That is, the whole Greek population would have to work for two years now, spending nothing, not even for food, to rebuild the ruined buildings, or the whole national budget for 10 years would have to be applied to this purpose alone.

(b) *Reduction of Production.* The peasants have abandoned their villages, thus considerably decreasing agricultural production. In the case of certain produce, *e.g.*, tobacco, lack of the necessary buildings for storing, drying and preparing it has resulted in an average decrease in quality up to 75 per cent. The decrease in production is also affected by the destruction of 15,000 shops, handicraft and industrial installations.

(c) *Housing Problem.* 234,000 Greek families are housed under the worst possible conditions.

(d) *Health Problem.* Diseases are overrunning the country and deaths are on the increase from lack of housing. Sufferers from tuberculosis have been doubled in number and children in ruined districts show similar signs to those exhibited by the children of Athens during the year of starvation. It is certain that the reason lies chiefly in malnutrition and lack of housing. The second factor is not without importance for it brings about the first.

(e) *Concentration in Cities.* The population of large centres has increased considerably. There are still about 80,000 inhabitants from the country left in Athens and 35,000 in Salonika, of which the major part cannot return home as there are no homes for them to return to. Conditions are, however, much worse in the smaller centres of Northern Greece, in which all peasants of the ruined villages have sought refuge; particularly is this so in Drama and Verria.

(f) *Abandonment of countryside.* Peasants are not returning to their settlements. The countryside is being abandoned permanently, and this is of a more tragic importance for Northern Greece, because whereas the rest of the country will be settled again the zone along the frontier will not.

Hospital Requirements.

With regard to the measures that are being adopted to meet the clinical and urgent hygienic requirements of Greece, it should be recalled that in the last years before the war a full programme was established in order to cover the great hygienic requirements in buildings throughout Greece by erecting hygienic institutions of every sort. The war interrupted this work and owing to the war and the occupation the question of facing the hygienic needs has become still more acute.

The Ministry of Hygiene met the situation at once after the liberation with a complete programme prepared during the occupation, which set out the requirements, the methods of reconstruction to be adopted, building priority, etc.

According to this programme repairs, transformations and the finishing of the existing institutions were to be started throughout the country, and an attempt was to be made to transform, by simple constructional works, certain public or private buildings into temporary hygienic institutions.

The work began at once in order to finish the most advanced of the new works half finished in pre-war times, and a draft was prepared and action taken to secure simple temporary clinical huts, established near certain functioning institutions in order to increase the number of available beds.

Through this programme the problem is being dealt with in the most speedy and adequate manner to suit the current financial and technical conditions.

In carrying out the work entailed by these measures some difficulties have been met, the principal one being in connection with the adaptation of existing buildings, for the existing accommodation was already seriously inadequate for housing purposes alone. In the completion of pre-war building work and the erection of huts the available stocks of materials in the country were found to be inadequate. As the need for beds is urgent it was attempted to meet requirements by importing material and huts from abroad. The material for the finishing of the buildings was ordered through UNRRA.

COMING EVENTS

Friday, June 28.

R.I.B.A. Annual Reception. 66, Portland-place, W.1. 9 p.m.

I.A.A.S. Planning Films. Central Hall, S.W.1. 6.30 p.m.

Tuesday, July 2.

A.A. FILM SOCIETY. Film evening. 36, Bedford-square, W.C.1. 7.30 p.m.

Wednesday, July 3.

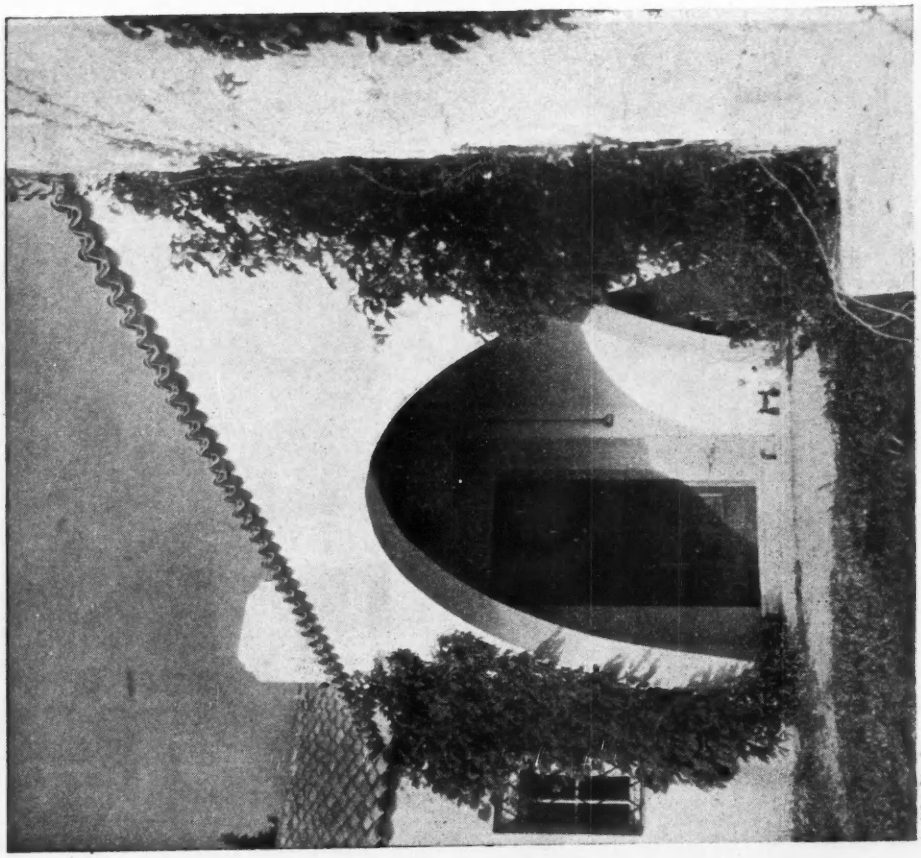
SOUTH WESTERN FEDERATION OF BUILDING TRADES EMPLOYERS. Half-yearly Meeting. Speaker: Mr. W. H. Forsdike, President, N.F.B.T.E. At Plymouth.

Saturday, July 6.

INSTITUTE OF QUANTITY SURVEYORS. Annual General Meeting. Alliance Hall, Palmer-street, S.W.1. 3 p.m.

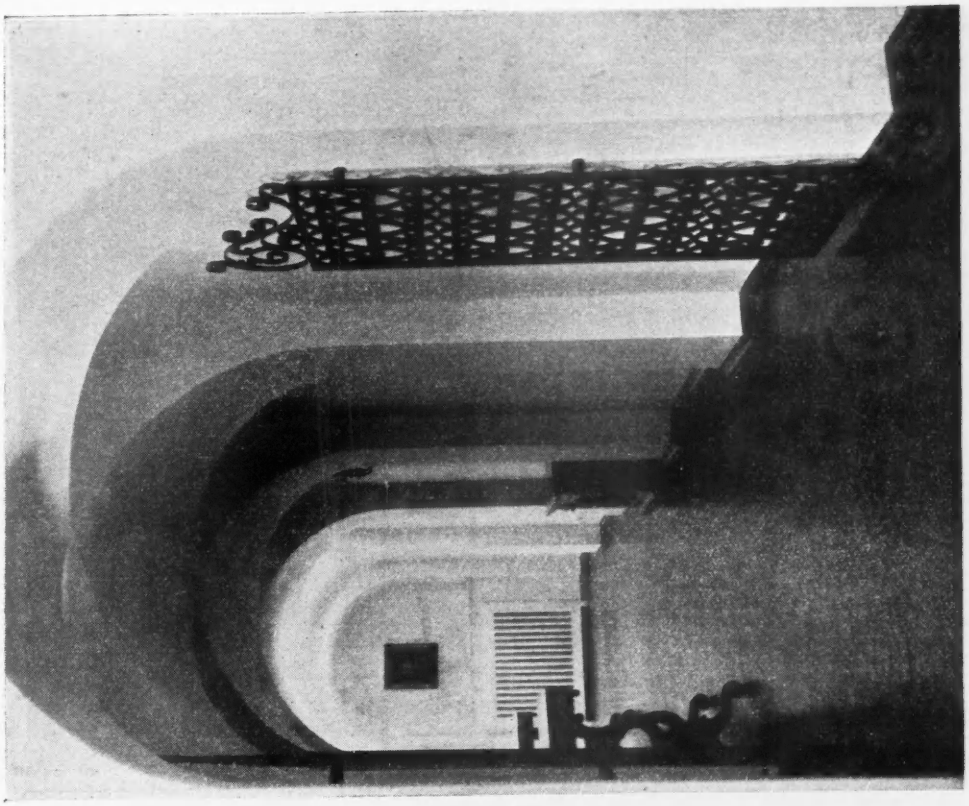
RESIDENCE AT PALLINI, ATTICA. P. A. SAKELLARIOS, ARCHITECT

FOUR MILES FROM ATHENS, this house stands on a hill and has been connected with an existing old tower. Built in the local Attic style for Col. D. N. Levidis, the buildings comprise a lodge, gardener's house, and chapel, in addition to the house. Foundations are concrete, and masonry and local bricks are the main materials, the roofs having Græco-Roman tiles carried on cypress timber rafters. Heating is by a two-pipe system, oil-fired, with radiators concealed under the windows. The main building, completed in 1940, cost £10,000.



The Main Entrance. On the right, the Old Tower.

Entrance to Study, from Patio.



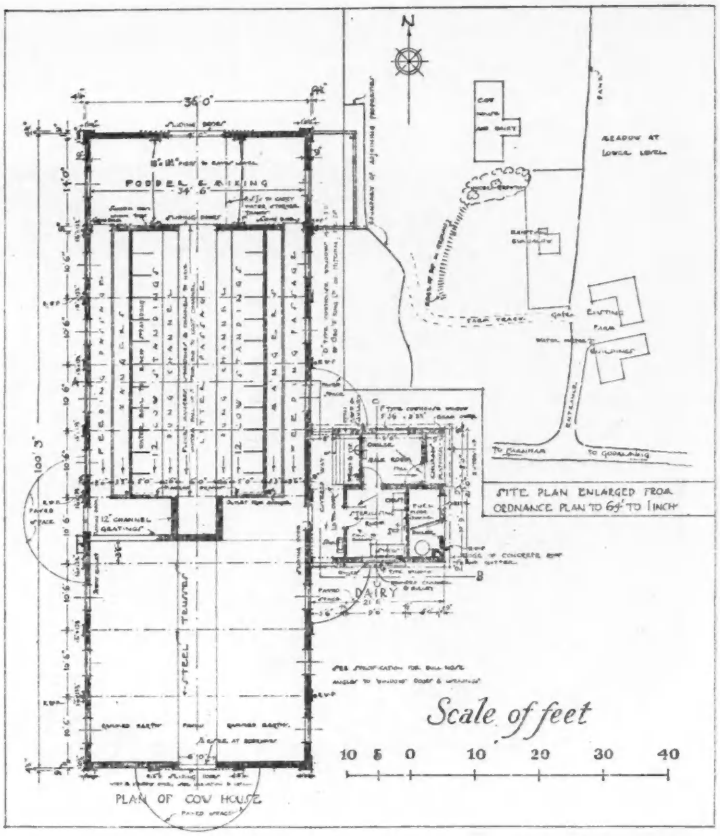
View along Corridor, looking into Hall.

The Dining Room.

RESIDENCE AT PALLINI, ATTICA. P. A. SAKELLARIOS, ARCHITECT

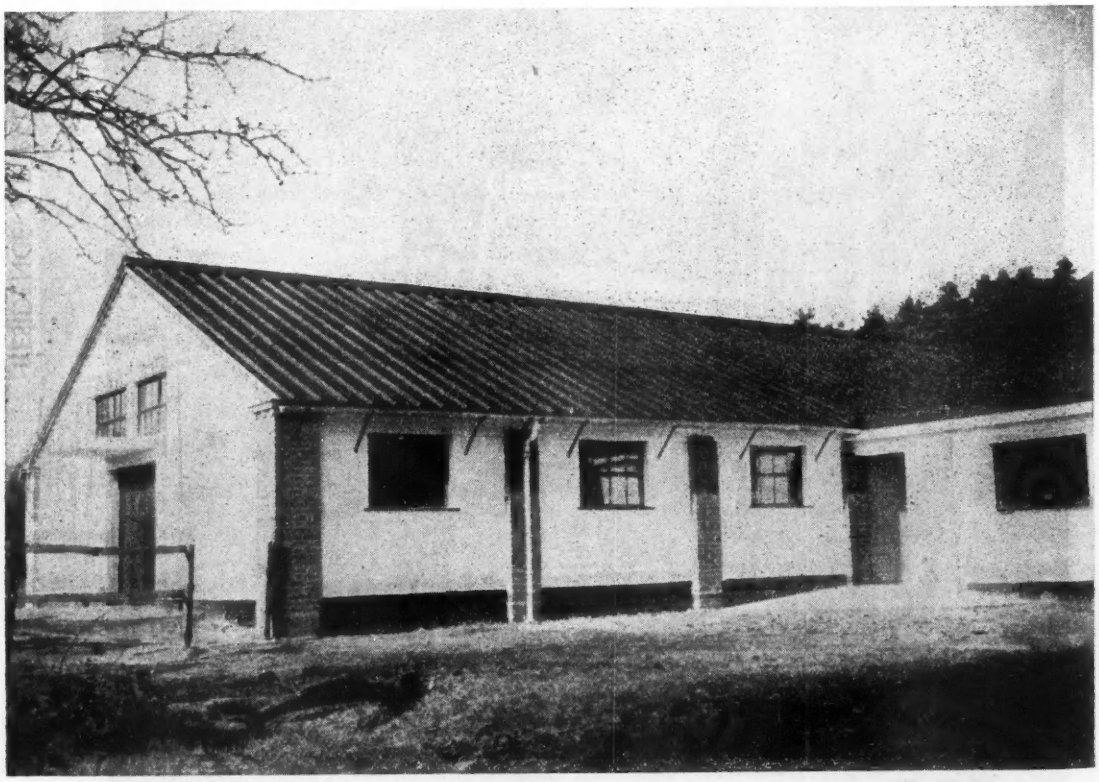
COWHOUSE AND DAIRY AT THREE BARROWS FARM, ELSTEAD, SURREY

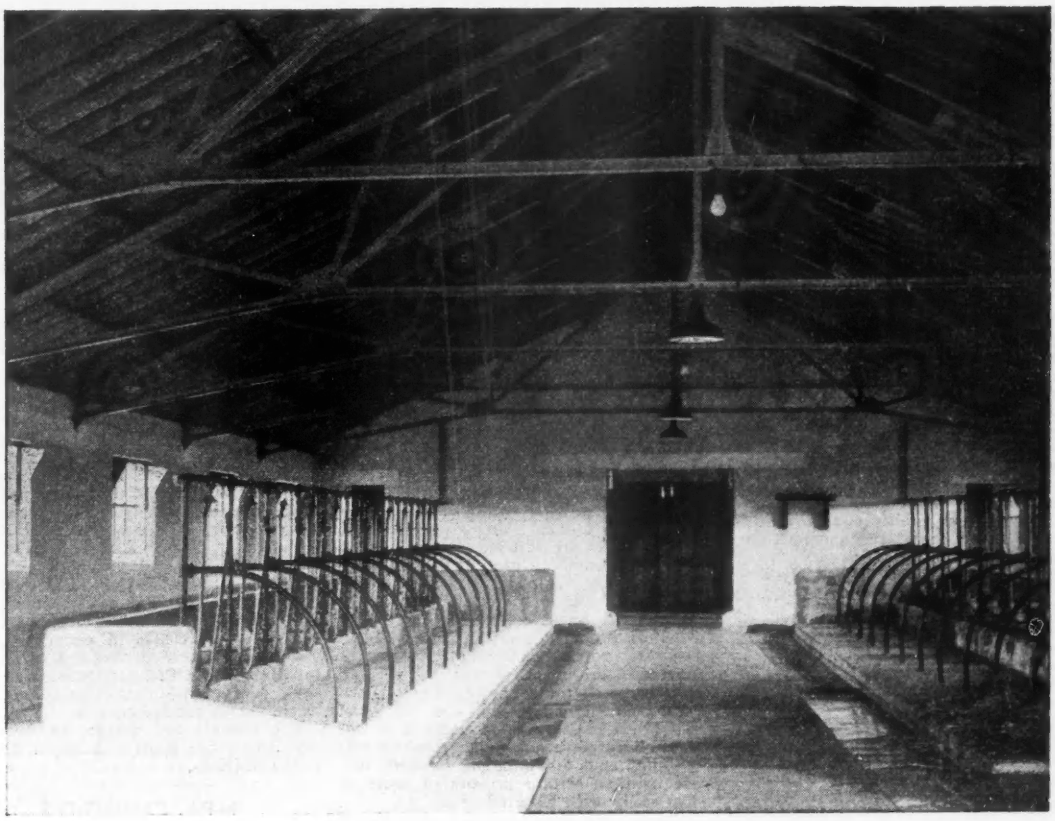
SIR GUY DAWBER,
WILSON AND FOX,
FF.R.I.B.A., ARCHITECTS



THIS COWHOUSE AND DAIRY AT Three Barrows Farm, Elstead, Surrey, were designed to form part of a range of farm buildings to be completed in the future. The block recently built consists of a cowhouse for 42 cows, with fodder store, food-mixing room and dairy. Cowstall fittings for half the total number have been installed for the time being, the other half being temporarily used for calf-pens until the future buildings have been erected.

The walls were built with "Midhurst White" bricks, treated with "Stet" on the outside, to provide a white interior, with Sussex brick





Interior of Cowhouse, showing Standings.

facings to the piers carrying the Moreland-Hayne steel roof trusses. The roof is covered with asbestos sheeting with glazed roof lights in each bay.

The floors and mangers are in concrete, specially hardened with "Sealocrete," and all laid to slight falls to the various channels with a special two-way outlet to separate washing-down water from urine, the latter being taken to a large 3,000-gallon underground tank for manure purposes.

The metal windows and cowstall fittings were by George W. King and Co., of Hitchin, and sliding door gear by Messrs. P. C. Henderson. Electric lighting and power were by Bowden and Higlett, of Guildford, and the milking machinery by Manus. The builders were Messrs. G. W. J. Eden, Ltd., of Aldershot.

A special point of interest is that, in spite of the difficult war conditions, competitive tenders were obtained for the work upon a carefully detailed specification and bill of quantities, as a result of which the cost was less than 30 per cent. above pre-war rates.

The architects were Sir Guy Dawber, Wilson and Fox, FF.R.I.B.A.

General View of Cowhouse.

COWHOUSE & DAIRY,
THREE BARROWS FARM,
ELSTEAD, SURREY

SIR GUY DAWBER,
WILSON & FOX,
FF.R.I.B.A., ARCHITECTS

MR. LEWIS MUMFORD ON BRITISH TOWN PLANNING

LECTURE AT THE TOWN PLANNING INSTITUTE

ADDRESSING the Town Planning Institute on Thursday, June 20, MR. LEWIS MUMFORD said he had followed during the past six years with increasing interest and amazement the bold and challenging work in planning that had been done by many of the members.

England had had a great advantage in having suffered during the war devastation in such a form that it could be recognised. Devastation went on in the 19th century in England, its fair countryside was blighted, its cities became full of what Blake called "those dark, Satanic mills," and the country was suffering every moment, but the nation was not conscious that devastation had spread over the land. To-day England had, as perhaps no other country had had before, an opportunity which had arisen out of the ruin of her cities. That ruin itself did not destroy the creative spirit underlying British planning work. Rather there had been an intensification of vitality and, to a certain extent, an arising of the appreciation of the beautiful.

Yet this opportunity which lay before the nation also brought with it the danger that almost anything that would be done by way of planning, housing and civic reconstruction would be accepted too easily. It reminded him that the late Sir Patrick Geddes used to say that port cities were usually slums because when people had been on the sea for weeks, tossed up and down, with bad food and other hardships, almost any place looked good to them, so long as it was dry!

There was another danger, connected with housing. It was very possible that planners would be more considerate of Whitehall and the Borough Councils than of the people they were going to house, whose lives they were going to determine for generations to come. They would be tempted to make economies, what the author of "Cranford" called "elegant economies." They might tend to forget that someone was going to live in those houses, somebody was going to beget children in them, somebody was going to die there and might not even be able to die with dignity unless the planners and builders built things in a suitable way.

Danger of Wholesale Solutions.

There was also the danger of applying wholesale solutions of general planning problems. He was a great admirer of the late Sir Raymond Unwin, but he felt that his good solution of not having more than 12 houses to the acre was a little too automatically applied. It implied that houses would always be laid out in a certain way, that streets would always be so, and showed a lack of experiment. He thought there were times when you could have 20 houses to the acre—and even more. As a result of wholesale thinking about detailed problems of planning there had been a neglect of other possibilities, of green commons and green belts within neighbourhood units, and even green belts around blocks. There had even been neglect of planning of allotment gardens. Why should not these allotment gardens run through towns, why should not they be part of the residential green area?

The other difficulty he saw was the tendency for planning only to correct the obvious faults, like the absence of sanitation, the lack of paved streets in the past and making possible the free circulation of traffic.

He had heard with great pleasure that we were going to house people in fresh areas, but even in dealing with fresh areas there was a tendency to approach the matter with a stereotyped solution which was used as if a fault had to be corrected instead of a new problem to be solved. Planners should ask themselves what kind of life they were creating with their plans. Looking at the statistics of population in the so-called advanced countries, it did not seem that life was awfully good for babies. The world did not want to see England pass away. It did not want the disappearance of "this happy isle." The question of reproduction was important and involved town planners just as much as people engaged in medicine or public health.

Fundamental Human Needs.

Asking how planners could face the fundamental human needs and provide for them, MR. MUMFORD suggested that they should begin by following the baby in the perambulator. They should follow him out of the door to the place where his mother had to do her daily marketing and then to the place (which planners might never provide) where she was going to meet her friends. Unless planners had provided an environment in which sociability would be part of the mother's life, the baby would not grow up happily and the temptation of having another would never occur to the young wife. The baby also needed playing space. Unless this was provided the baby was not well started in life. The planner had to plan in physical terms for every stage of the individual's grouping and every stage of the needs of the group. Man was not naturally a political animal. He required training and discipline in political life. He required certain utilities in order to live easily with his kind.

It was also to provide for elements of withdrawal from one's neighbours. People could not always live together in groups. One of the greatest trials of barrack life was the compulsory living together throughout the twenty-four hours which was inflicted on the men. It was not enough to mass people together so that they could not get away from each other. They must have the opportunity of sometimes obtaining seclusion.

MR. MUMFORD thought it was important that planners should conceive their planning in terms of the fundamental unit, the unit that was going to be the basis of the plan throughout. That unit seemed to him to be the neighbourhood unit, based on families, gardens, schools, shops and workshops.

A heresy he wished to introduce was that zoning of a town according to the functions to be carried out in the different districts should not be rigid. There was a tendency to carry the principle of zoning too far, so that the district was sterilised for any functions except the one for which it had been zoned. The result was unnecessary monotony. It was good for children to be able to see the carpenter at work at his bench without having to go out of their way. He would not regard it as an inviolable rule to zone so tightly that you could not interest the family life of the community in the other activities of the neighbourhood. It might be done by allowing a small factory which did not employ many people or make much noise. The neighbourhood unit should be the city writ small and the city the neighbourhood unit writ large.

Relationship of Factory and Home.

He had a great deal of sympathy with the writer of a recent letter to the "Times," who pointed out that in the new towns there was too great a tendency to put a large factory in such a position that the employees could not get home to lunch. It was important that the father should have a reunion with his children in the middle of the day. Some industrial units should be segregated half-a-mile or a mile from the centre of the town, but he urged in the interests of the life that the people were going to lead that this matter should be reconsidered, particularly in the London area. If London were decentralised it might be necessary also to decentralise some of the small workshops and factories.

Proposing a vote of thanks to Mr. Mumford, MR. LEWIS SILKIN, Minister of Town and Country Planning, said he had been particularly delighted with Mr. Mumford's references to zoning. We should begin to think out again some of the things we had taken for granted for so long.

Annual General Meeting.

At the annual general meeting of the Institute which preceded Mr. Mumford's address the retiring President (Mr. Thomas Sharp) reported that the membership now stood at 1,850, made up as follows: Honorary Members, 42; Honorary Associates, 29; Honorary Corresponding Members, 2; Members, 304; Legal Members, 49; Associate Members, 964; Legal Associate Members, 34; Students, 426.

During the year 233 new members and students had been elected. The first University degree course in planning to be established in this country had been instituted at King's College, Durham University. It was hoped that other Universities would set up similar courses.

The Council had decided to present a petition for the grant of a Royal Charter to the Institute.

N.P.L. EXHIBITION

THE exhibition of the work of the National Physical Laboratory, which was an annual feature of the scientific world of pre-war days, emerged from wartime eclipse on June 18, when a preview was afforded to the Press at the Laboratory's headquarters at Teddington. Many of the exhibits, though not of direct application to the building industry, attracted considerable attention, particularly in the radio and metrology sections. Engineers and, to some extent, architects would find of interest a special draughting table and accessories developed to facilitate the preparation of large and stable drawings on suitably prepared aluminium sheets.

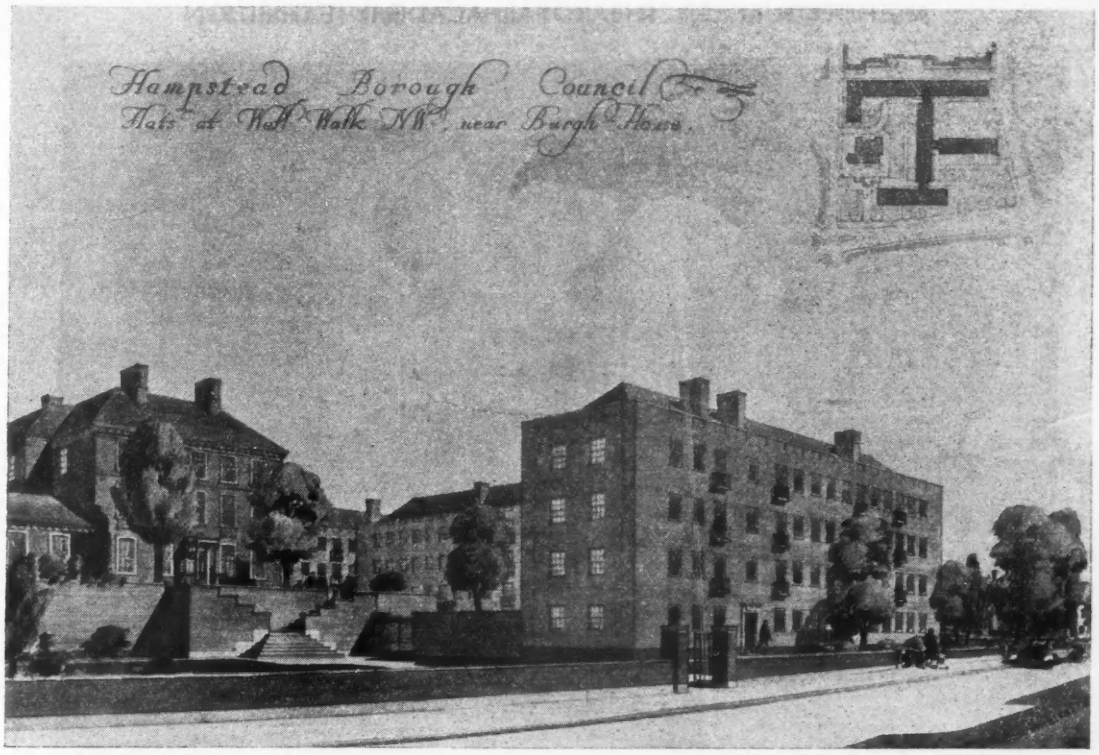
In the metallurgy division, it has been possible, by the application of X-ray and electron diffraction, to obtain the stress-strain curve for the atomic lattice of new metals, and new data on the mechanism of deformation have already been obtained. Other research in this division has been directed to work on iron-nickel-chromium alloys and the constitution of mild steel arc-weld metal. In the Physics Division research has gone forward on the specific heats, thermal conductivities and coefficients of expansion of a representative series of steels, and also into the thermal conductivity of insulating and building materials, while much attention continues to be paid to acoustics.

R.I.C.S. Professional Examination Results.

THE Royal Institution of Chartered Surveyors has now published the results of its professional examinations for 1946.

Westminster City Council.

MR ALFRED HARRIS, D.S.O., F.S.I., J.P., senior partner in the firm of Messrs. Widnell and Trollope, quantity surveyors, has been elected to represent the Charing Cross Ward of the Westminster City Council.



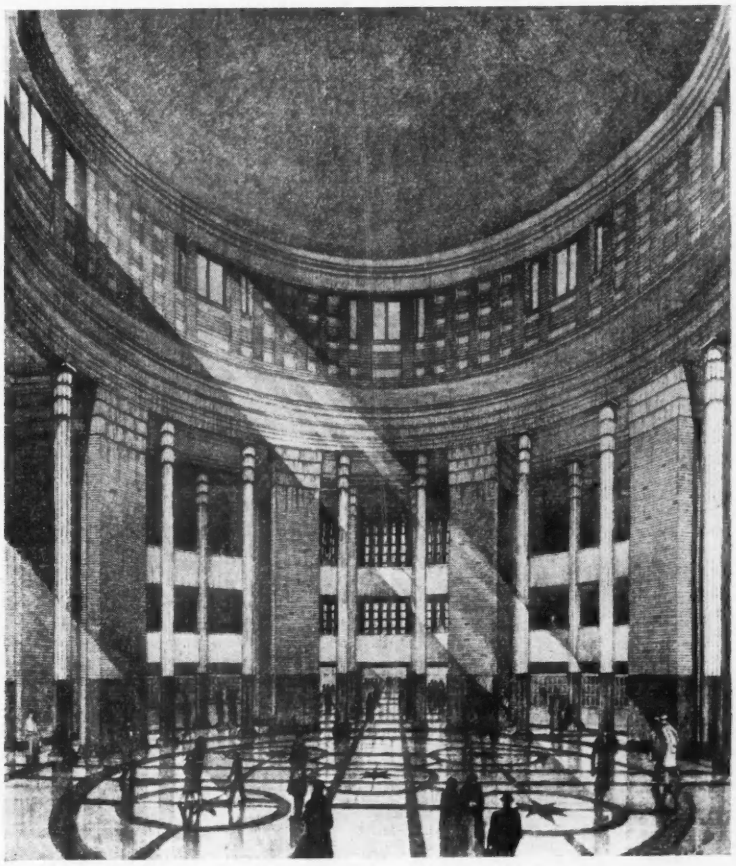
Drawn by S. Rowland Pierce.

ARCHITECTURE AT THE ROYAL ACADEMY

We continue our illustrations of architectural work on view at the Royal Academy Summer Exhibition. Other examples were given in our issues for May 10 and May 17.

Above :
FLATS AT WELL-WALK, HAMPSTEAD, N.W.3

C. H. JAMES, R.A., AND BYWATERS AND ROWLAND PIERCE, ARCHITECTS

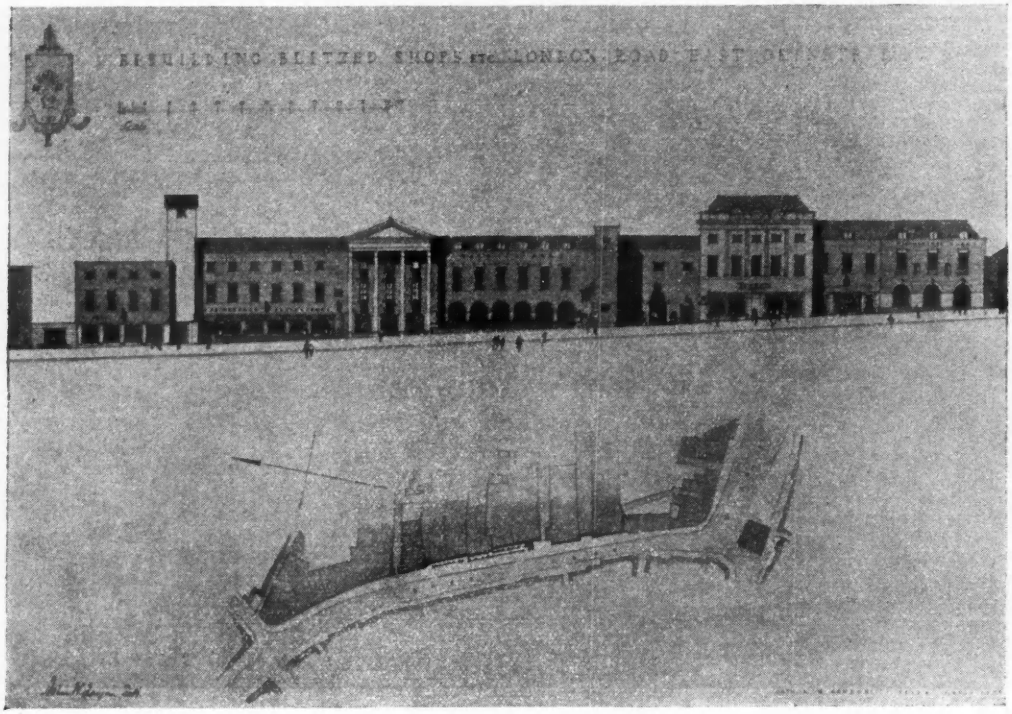


Drawn by F. A. Evans.

Right :
BAGHDAD RAILWAY STATION FOR THE IRAQI STATE RAILWAYS

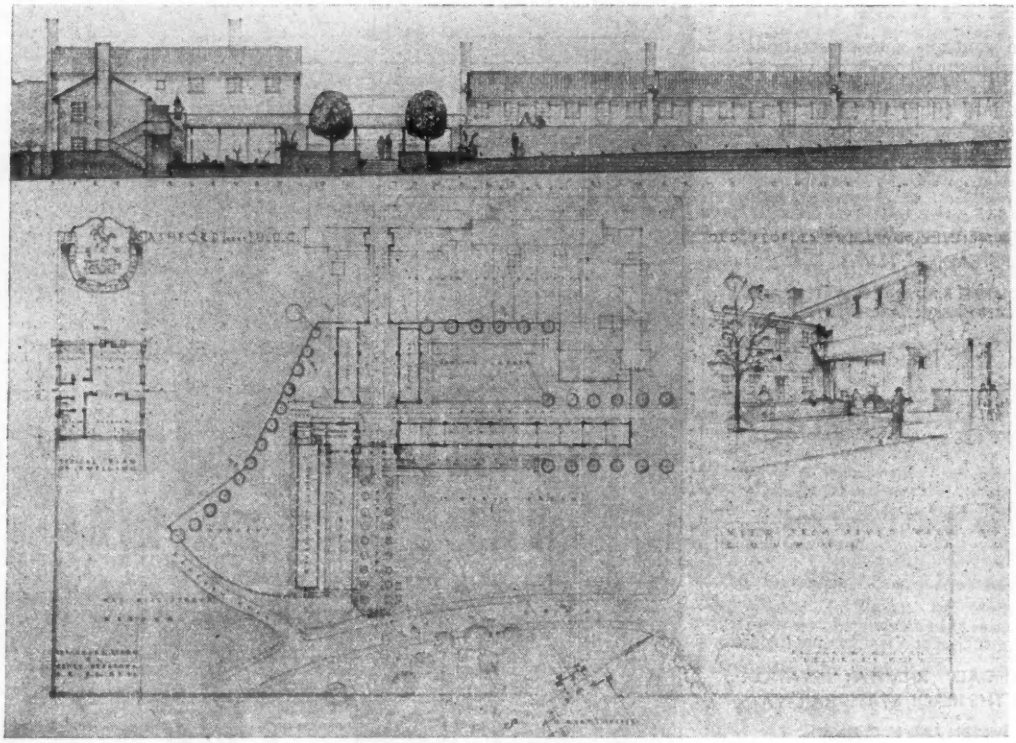
J. M. WILSON AND H. C. MASON, A. & F.R.I.B.A., ARCHITECTS

ARCHITECTURE AT THE ROYAL ACADEMY EXHIBITION



Drawn by A. W. Kenyon.

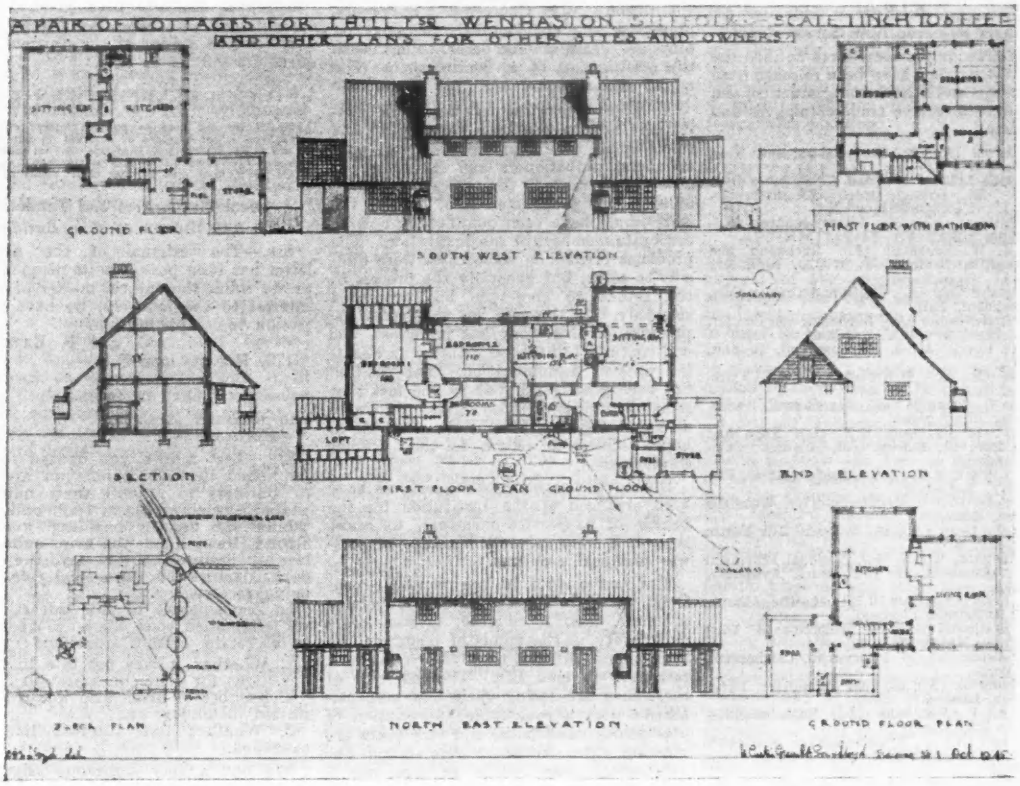
REBUILDING BLITZED SHOPS, LONDON-ROAD, EAST GRINSTEAD. ARTHUR W. KENYON, C.B.E. F.R.I.B.A., ARCHITECT



Drawn by Henry Braddock.

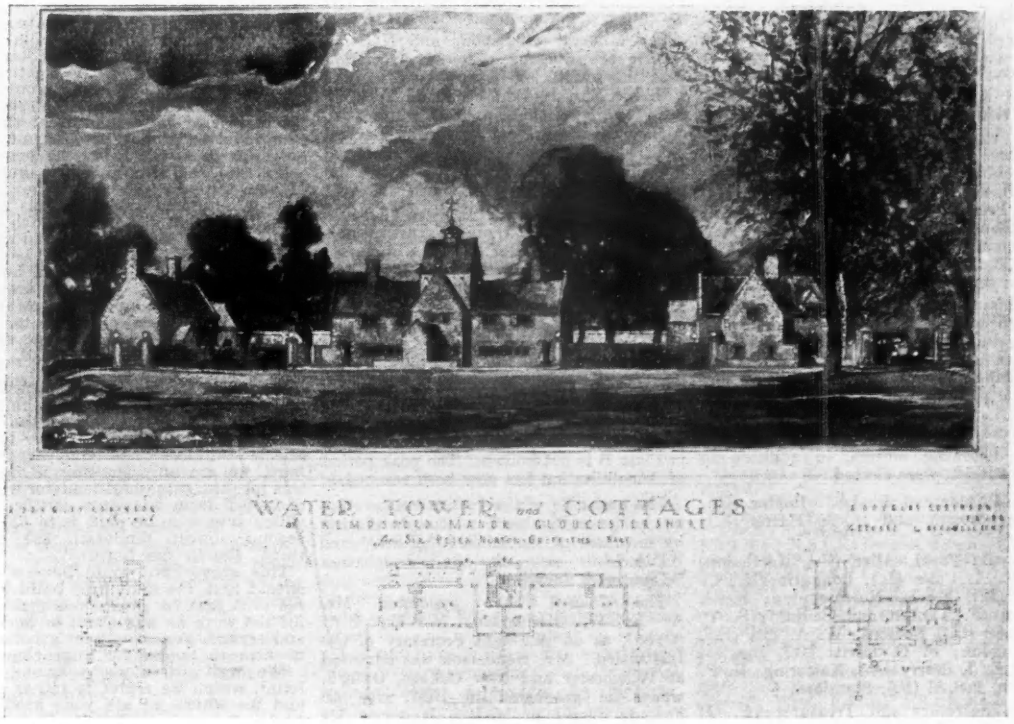
OLD PEOPLE'S DWELLINGS, WILLESBOROUGH, ASHFORD, KENT. HENRY BRADDOCK, A.R.I.B.A., ARCHITECT

ARCHITECTURE AT THE ROYAL ACADEMY EXHIBITION



Drawn by W. A. S. Lloyd.

COTTAGES, WENHASTON, SUFFOLK. W. CURTIS GREEN, R.A., SON & LLOYD, ARCHITECTS



Drawn by A. D. Robinson.

WATER TOWER AND COTTAGES, KEMPSFORD MANOR, GLOS. A. DOUGLAS ROBINSON, F.R.I.B.A., ARCHITECT

SOCIETIES & INSTITUTIONS

R.I.B.A.

Members Released from Services, etc.

THE following members have notified the R.I.B.A. that they have been released from the Services and are resuming practice, and would like to receive trade catalogues and other data.

E. L. Ansell (A.), 32, Chelwood-gardens, Kew, Surrey.
A. Hodsdon Archard (L.) and K. Courtney-Dyer (L.), 20, Lowndes-street, Knightsbridge, S.W.1. (Sloane 2078.)
Keith Aitken (A.), 30, Fitzroy-square, W.1. (Euston 2039.)
S/Ldr. J. W. Buchanan (F.), Buchanan and Coulter, 5, Bedford-row, W.C.1. (Chancery 7881.)
C. A. Crozier Cole (A.), Rolfe and Crozier Cole, 1, Belmont, Bath.
Major H. G. Coulter (A.), Buchanan and Coulter, 5, Bedford-row, W.C.1. (Chancery 7881.)
Ralph G. Covell (A.), 5, Mitcham-road, Tooting, S.W.17.
James H. Cox (A.), 9, Broughton-avenue, Aylesbury, Bucks.
Grahame G. Cooke (A.), 80, Regent-road, Handsworth, Birmingham.
Major P. L. Davidson, R.E. (L.), Hope and Davidson, 21, Station-road, Keswick, Cumberland.
Major G. Flett, R.E. (A.), 5, Seafield-street, Findochty, Banffshire.
Nelson Foley (A.), 6, Monkhams-drive, Woodford Green, Essex.
Andrew L. Gray (A.), 88, Pollards Hill North, Norbury, S.W.16.
G. W. Hughes, M.B.E. (L.), National Provincial Bank-chambers, 21, High-street, Aylesbury, Bucks.
R. H. Kelly (A.) (late R.E.), 24, The Albany, Old Hall-street, Liverpool, 3.
R. A. Kettlewell (L.), 20, Welbeck-road, West Harrow, Middlesex.
E. A. Lawton (L.), 28, Priory-road, Cottingham, E. Yorks.
D. J. Langton (A.), 6, Moor Park-drive, Headingley, Leeds 6.
Major A. V. Montague (A.), Bank-buildings, Hyde Park, Leeds 6.
Ralph Mort (A.), 21, Bramley-avenue, Sheffield 9.
D. F. Martin-Smith (F.), 16D, Abercorn-place, N.W.8.
F/Lt. W. G. Palmer, D.F.C. (A.), 285, Waldegrave-road, Twickenham, Middx.
R. S. Pilling (L.), 69, Burnley-road, Padiham, nr. Burnley.
J. L. Selby (A.), Lloyds Bank-chambers, 79, High-street, Southend-on-Sea.
Capt. A. E. Thurman Matthews (A.), Ripley House, 10, Streatham Common South, S.W.16.
Ian F. Warwick (A.), 92A, Philbeach-gardens, S.W.5.
Lt.-Col. Douglas A. S. Webster (A.), 15, Ilchester-place, W.14.

NORTHANTS, BEDS. and HUNTS. A.A.

The annual general meeting of the Northants, Beds and Hunts Association of Architects was held on Wednesday, June 5, at the "Swan" Hotel, Bedford. The President, Mr. W. R. Steel, F.R.I.B.A., of Luton, was re-elected President for a further session, from July 1 to June 30, 1947, and was warmly thanked for his services to the Association.

In his presidential address Mr. Steel referred to the difficult times which lay ahead, but gave a strong pointer to the younger architects, who, he said, had everything to anticipate and prepare for. He also paid tribute to the Council of the R.I.B.A., who, he said, were doing excellent work.

The following officers, in addition to the President, were elected :—

Vice-Presidents : P. J. J. Panter (F.), Wellingborough, and H. A. Harris (L.), Bedford.

Council : F. H. Allen (F.), Northampton; F. A. Coles (L.), Long Buckby; C. Croft (L.), F.S.I., Northampton; B. C. Deacon (F.), Luton and Bedford; S. V. Goodman (L.), Bedford; W. A. Lea (F.), Huntingdon; F. C. Levitt (L.), Biggleswade; E. J. Storry (A.), Kettering; H. F. Traylen, F.S.A. (F.), Stamford.

Hon. Secretary and Treasurer : P. G. Copson (L.), Northampton.

Hon. Auditor : W. Rosser (F.).

R.I.C.S.

THE 78th annual report of the Royal Institution of Chartered Surveyors, presented at the annual meeting on May 28, deals among other things with the resettlement of ex-Service men. The report states :—

A large proportion of the work during the session has been directed to the resettlement of ex-Service men, not only members, probationers and students, but also new entrants to the profession. Many of them are young men who, but for the war, would have been qualified by now as corporate members of the Institution. The problems created in some cases were difficult to solve, but generally the process of the return to civil life has proceeded smoothly. As the year has progressed the pressure of this work has increased, and will continue to increase with the accelerating pace of demobilisation. The position has been greatly relieved by the fact that some two-thirds of those serving who were already associated with the Institution have decided to return to their former employment.

During the session special lectures have been arranged at the Institution for the benefit of ex-Service members, to assist them in a practical understanding of post-war technical problems.

The continuance of the war-time controls, which so largely affect the volume of work, has, it is true, created some uncertainty in the minds of members and has made it difficult to advise young men returning to civil life. The majority of these men are facing their new responsibilities with a reasonable appreciation of present-day conditions, and employers are meeting them in an understanding and sympathetic way. It is, perhaps, one of the very few advantages of the short period of 25 years between the two great wars, that the post-war experience of those who served in 1914-1918 is still remembered, and is being turned to the advantage of those who are now returning.

The Ministry of Labour and National Service are working in close association with the Institution in matters connected with the Further Education and Training Scheme where the applicant desires to qualify as a chartered surveyor. Several hundred applications have been referred by the Ministry to the Institution for comment in the past year, of which the great majority have been approved.

A separate section of the Institution's Appointments Register has been organised to deal with ex-Service men who are new entrants to the profession. The list of firms willing to take such men as trainees consists now of about 450 firms. If there are any other firms who are willing to help, the principals are asked to notify the Secretary.

Since the demobilisation scheme came into operation some 650 members have been released in Class A. The number released in Class B is not known. The peak period of demobilisation has now been reached.

The new title of the Institution involves no change in Bye-law 6 relating to the use by members of the initials "F.S.I." and "P.A.S.I." or of the designation "Chartered Surveyor."

The Council have appointed Mr. A. E. W. Henderson, M.B.E., B.A. (Oxon), as an Assistant Secretary of the Institution. Mr. Henderson was educated at Winchester and New College, Oxford, where he graduated in 1934 with an honours degree in Modern History. He has been temporarily posted to the Scottish offices of the Institution at 189, St. Vincent-street, Glasgow (shortly to be moved to 7, Manor-place, Edinburgh).

Approval has also been given for the appointment of Mr. R. Steel, B.Sc. (London), as Editor of the *Journal*, with effect from June 3, 1946.

CORRESPONDENCE

[Whilst we are glad to publish letters on professional and other matters of interest to our readers, it must be understood that we do not necessarily endorse the remarks of correspondents, who will oblige us if they will express their views as briefly as possible.]

Local Authorities and Tenders.

TO THE EDITOR OF *The Builder*.

SIR.—The original of the attached letter has been posted to its recipient, and as we think the subject matter of topical interest to the industry, we have no objection to its publication.

C. and F. BRYEN.

170, Hornsey-lane N.6.

COPY OF LETTER.

The Borough Engineer,
Hornsey, N.8.

SIR,—Last month you caused to have published in trade papers an invitation to builders to submit their names to enable a selected list of such builders to tender for certain building works in Stroud Green Road, the firms submitting having themselves to pay the usual deposit returnable on a *bona fide* tender being received.

In consequence of this advertisement we telephoned your office on Wednesday to ascertain certain questions :

1. Whether it was too late to submit our name for your consideration;
2. Number of firms who would be permitted to tender; and
3. Whether that number had been exceeded.

We had a very courteous answer; 30 firms were going to be invited, of which 29 had been selected.

It does seem to us that to invite 30 firms to tender for a possible £20,000-£25,000 job is unreasonable and unfair inasmuch that only one tenderer can be successful and that as the numbers of invited tenderers are increased the chance of success in securing the contract is decreased; further, from practical experience over many years it would seem that 29 firms are about to expend £20 apiece pricing your quantities: the total sum involved would be £600, of which only one firm would get any benefit.

May we ask this pertinent question? If you were to submit to the Council your intention to invite 30 firms and inform them that the cost of such invitation to tender would not exceed £600, do you think your proposal would be acceptable? We think it would not, but what we do deplore is the practice which public authorities indulge in by inviting unlimited numbers of firms to tender for a job instead of inviting, say, six builders for a job of £10,000, 12 for £20,000 and upwards.

We would throw out this suggestion for what it is worth: it would be in the interests of your Council and the people at large if you were to say to your selected builders when tendering: "Look here, we are only inviting 12 firms for this job; the successful tenderer will have deducted from his first certificate £60, which sum is to be paid as to £30 to the second lowest tenderer, £20 to the third, £10 to the fourth."

This suggestion would have a double effect: first, the individual builder would see to it that he gave a reasonable price for the work he was about to undertake; and second, you would get a better class of firm to tender for your contracts.

We await with interest your reply to this letter, which we regret is rather lengthy and for which we ask your kind indulgence.

C. & F. BRYEN.

June 13, 1946.

HEAT, LIGHT AND SOUND

RELATION TO TOWN PLANNING

SOME aspects of heat, light and sound in relation to town planning were discussed by MR. CECIL C. HANDISYDE, A.R.I.B.A., research architect at the Building Research Station of the Department of Scientific and Industrial Research, in the course of a paper read before the Health Congress of the Royal Sanitary Institute at Blackpool.

We take the following extracts from the paper :—

Lighting.

There have long been regulations of various kinds designed to ensure access of at least a minimum of light and air to buildings. These have been confined mainly to limiting angles of light or, in some cases, overall coverage. This is, at best, a negative policy. What is needed is, first, an assessment of the amount of light required inside buildings; second, a method of designing to achieve this quantity of light, combined with good quality of lighting, and, third, a planning layout which will enable the maximum amount of building consistent with the lighting requirements.

Recent publications have outlined several methods of design by which standards of lighting can be foretold with sufficient accuracy. The Post-War Study Committee Report by the Lighting Committee of the Building Research Board of the Department of Scientific and Industrial Research on the Lighting of Buildings discussed the effect of plan arrangement on good lighting and showed how, by development of reasonably sized sites in a proper manner, good lighting could be obtained with quite high building densities.

In the same Report there is an examination of the effect of heights of buildings which shows how, in some instances, an increase in height may improve lighting while keeping the same floor-space index.

A study of this kind shows that in the case of fairly high density development the site layout, together with correct design of individual buildings, can result in great improvements in lighting. The implications on town planning and street design are towards a new type of street architecture in which the evenly built-up street frontage would be replaced by larger blocks of buildings in which there would be some high and some low portions, and in which the blocks would often be of cruciform, T or Y shape rather than the common hollow square arrangement.

The point to be stressed is that there is now available a reasonably adequate technique which, if used by town planners and the designers of individual buildings, will ensure that good standards of day lighting will result, while at the same time economical use of the land will be achieved. In the case of houses, flats and schools certain standards have already been suggested, first in the Report of the Lighting Committee and then in the Codes of Practice now being prepared by the Ministry of Works and published through the British Standards Institution.

What is required, however, is more evidence as to the correctness of the standards for these buildings, and the setting up of standards for other types of buildings such as offices, hospitals, etc. It is only when such standards are settled for individual buildings that the town planner can deal at all satisfactorily with this aspect of his own problem.

It might be suggested with some degree of truth that insufficient attention has been paid to the value of sunlight on the gardens and in the streets around buildings.

Anyone who has tried to plan the small house will know how difficult it is to achieve perfection on all points. In the case of sunlight the street layout is an essential factor in the eventual solution of this part of the problem. The more we try to get sunlight into our houses the more vital this question of layout becomes. It is all too common to see exhibited a standard house plan which is set down on each side of a road regardless of the different aspect. If we ever tend to develop towards the really large-windowed house, such as the "solar houses" now becoming rather popular in America, this question of siting will become a vital one and will only be capable of solution by most careful consideration at the street layout stage of design.

Should we, in fact, develop such large-windowed houses? What is the real value of sunlight? Here, again, it may be suggested that we have insufficient data. "Sunshine values" may, perhaps, be divided into three factors: first, psychological; second, therapeutic; and third, heating. There is insufficient evidence on all three of these.

Heating.

It may be suggested that there is little relation between heating and town planning. There are, however, some points which may be of considerable importance.

Reference has already been made to the possible value of solar heating. Experiments at the Building Research Station have shown that the seasonal heat requirements for rooms facing, respectively, north and south, vary by 15 to 20 per cent. The value of solar heating through very large south-facing windows is undoubtedly considerable in daytime, but more evidence is required as to its overall value, taking into consideration night losses.

Another aspect of heating which may well affect future planning is the all-important question of atmospheric pollution. Considerable attention is now being given to the need for smoke reduction, and there are several methods of attacking this problem. First, it must be remembered that the domestic chimney is the greatest offender. Improvements in individual heating appliances are taking place and, if widely adopted, will undoubtedly lead to a reduction in pollution. Another method, however, is to provide communal heating by some form of district heating plant. The whole subject of district heating is at present under review by a sub-committee of the Heating and Ventilation (Reconstruction) Committee of the Building Research Board of the Department of Scientific and Industrial Research, but it is clear that a far less favourable case for district heating can be made out for the average housing estates than for more densely built-up areas.

Noise.

To what extent can town planning help in reducing noise? First, of course, by the correct siting of all activities such as noisy factories, and, in particular, those which may result in noise at night. This type of planning against noise is now reasonably well accepted. Where one feels that more might be done is in the planning of individual buildings in relation to noisy roads. Three principles may be stated. First, that noise nuisance is reduced by distance, second that buildings at right-angles to a road will suffer less than those parallel, and third that screening by low buildings, low walls or dense planting can be valuable. In the case of densely built-up areas, the first two of these principles fortunately fall into line with the requirements for daylighting, and the town planning effects will be very similar. The applications of a third principle are obvious and have the advantage of giving the town planner a scientific reason for beautifying our towns with planting.

"BRITAIN CAN MAKE IT" EXHIBITION

APPOINTMENT OF DESIGNERS

A TEAM of over 70 of the leading display experts of the country—many of them architects—has been engaged to present the latest developments of British industry in the "Britain Can Make It" exhibition. In this display, due to open in London in September, exhibits are being submitted by more than 50 British industries.

Sir Thomas Barlow, Chairman of the Council of Industrial Design, which is organising the exhibition, states: "We intend to show the best of British goods in the best possible way. For that purpose the Council has mobilised a team of the foremost display experts in the country. They will be 'the showmen of Britain.' They will work with plywoods, light metal alloys, coloured and transparent plastics, and other new materials to transform the Victoria and Albert Museum into a brilliant and effective setting for the new products of British industry."

Selection committees under the general chairmanship of Lord Woolton have begun choosing from the large number of submissions from British industry the exhibits which will represent the best developments in consumer goods.

Many of the exhibits will be shown in their normal surroundings, for there will be a series of rooms—kitchens, bathrooms, nurseries, dining rooms, bedrooms and offices. These rooms will be completely furnished without any utility restrictions.

The following list has been issued of some of the display experts who have been engaged for specific assignments :—

NEW MATERIALS: *Paper*—Albert Smith, M.S.I.A. *Rubber*—Johnson Marshall. *Plastics*—John Hutton. *Glass*—R. Lavers.

MEN'S WEAR: A. Havinden, F.S.I.A.

TRAVEL: Lewitt & Him.

DRESS HALL: Conville (Designers), Ltd.

PACKAGING: F. C. Ashford, M.S.I.A., assisted by Albert Smith, M.S.I.A.

RESTAURANT AND GARDEN: R. Y. Goodden, A.R.I.B.A., A.A.Dip. *Sports*—M. Weightman, A.R.C.A., M.S.I.A. *Feature Radio*—F. R. S. Yorke, F.R.I.B.A.

SCHOOLS: *Nursery*—R. Tubbs, A.R.I.B.A. *Secondary*—D. Clarke-Hall, A.R.I.B.A.

BATHROOMS: Middle-class—H. Tayler, A.R.I.B.A., A.A.Dip.(Hons.) *Luxury*—C. Entwistle, M.Inst.R.A., M.R.San.I.

DINING-ROOM: D. Booth, A.R.I.B.A., L.S.I.A.

BED-SITTING-ROOMS: Men's: T. A. L. Belton, B.A., A.R.I.B.A. *Women's*—Miss U. Mercer.

SCOTTISH LIVING-ROOM: M. Noad, A.R.I.B.A.

DOMESTIC POWER: A. M. Chitty, F.R.I.B.A. *Walls and floors*—I. Henderson, M.S.I.A. *Domestic and cleaning*—J. Bainbridge, M.S.I.A.

FUNDAMENTALS OF DESIGN: Mischa Black, O.B.E., F.S.I.A.

TRANSPORT: H. Chadwick, A.R.C.A., A.R.A.E.S., M.S.I.A.

WAR TO PEACE: Beverley Pick, M.S.I.A.

FURNISHING FABRICS: Jacques Groag.

OFFICES: *Manager's*—B. O'Rorke, M.A., F.R.I.B.A., M.S.I.A. *General Admin.*—R. Sheppard, F.R.I.B.A. *Drawing and Technical*—C. Nicholson, M.A., F.R.I.B.A.

KITCHENS: *Working-class Utility*—Miss E. Mosely, A.R.I.B.A. *Middle class (dining recess)*.—F. MacManus, F.R.I.B.A. *Middle-class (flat kitchenette)*: F. Gibberd F.R.I.B.A., A.M.T.P.I., M.S.I.A. *Luxury*—Miss Jane Drew, F.R.I.B.A.

BEDROOMS: *Working-class*—D. Medd, A.R.I.B.A. *Ditto (with double-bed)*—Mrs. Holford. *Middle-class*—N. Ward, B.Arch., A.R.I.B.A. *Luxury*—John Hill.

LIVING-ROOMS: *Working-class*—Miss E. Denby. *Ditto (kitchen recess)*—Mrs. Darcy Braddell, Hon.A.R.I.B.A. *Middle-class*—F. R. S. Yorke, F.R.I.B.A. *Luxury*.—R. D. Russell, R.D.I.

NURSERY: P. Bicknell, A.R.I.B.A.

THE FUTURE HOUSING WORK OF THE L.C.C.

LECTURE AT THE HOUSING CENTRE

At a meeting of the Housing Centre, held at 13, Suffolk-street, S.W.1, on Tuesday, June 18, Mr. C. W. Gibson (Chairman of the Housing Committee of the London County Council) gave an address entitled "The Future Housing Work of the L.C.C." Lady Piercy presided.

Mr. Gibson said that everybody acknowledged the need of London for many new houses and flats, and agreed further that London needed planning in a big way. All agreed also that the spread or sprawl of London should be arrested, and that the conceptions of the London Plan should be implemented. But as soon as the L.C.C. began to do something to carry out its programme many people objected to its action. Some of these objections made him angry, giving him the feeling that they were not on good planning or housing grounds, but, as one gentleman had said about a site in Surrey, they did not want the people of Stepney and Poplar to come and live among the Surrey hills.

The overcrowding census of 1938 had shown that there were then 40,000 families overcrowded, and the situation was worse to-day—probably the degree of overcrowding was 50 per cent. higher. In 1937 it had been estimated that to finish the job of clearing the slums 24,000 new houses were needed, and there had been great deterioration since then. Bombing had totally destroyed 70,000 houses previously occupied by 100,000 families and, allowing for those houses which were entitled to cost-of-works payments under the War Damage Act, it was estimated that homes for 80,000 families must be provided as an outcome of war damage. All the great improvements envisaged in the London Plan would mean pulling down houses, and the people living in these must be given new accommodation. Some of the schemes for dealing with bombed areas would involve pulling down occupied houses and rehousing somewhere else the families living therein. Before the war there had been an annual average of 44,000 marriages in London, and the estimate for 1946 was 40,000. A marriage usually formed a new housing unit, creating a demand for a separate house or flat; and an interesting fact in this connection was that although the total population of London had declined from 1911 to 1931, during that period the number of families had increased. This tendency was still going on. Taking all these facts into consideration, it would be seen that on a conservative estimate there was urgent need for 150,000 houses for London families, an urgent need to build homes for considerably over 400,000 people.

Decanting Outside the County.

The L.C.C. wished to carry out the London Plan. This would involve decanting approximately 600,000 people to sites outside the county; accordingly the present aim was to build houses for 200,000 people outside the county, and flats and cottages for another 200,000 inside the county. Some people said the L.C.C. should not build outside the county, but should wait for the new satellite towns to be developed; but it was impossible to wait, and it was doubtful whether Londoners would be attracted to the new towns, if built. He thought the only answer to the decanting problem was the Greater London plan of building a number of quasi-satellite towns within the so-called Green Belt around London; and that was what it was proposed to do. It was not certain that people would go to these towns. Recently a big firm had agreed to take their works somewhere else, but had found that none of their workpeople would go with them. These preferred to remain where their lives had been built up. But the L.C.C.'s proposal was that the quasi-satellite towns would not be so far away that there would be an unreasonably long journey to and from work in London, and there would also be light industries developed in the quasi-satellites themselves. The kind of community he was now envisaging seemed to be the one that would best meet the urgent practical problems of housing in London. The L.C.C. would not build any more Becontrees. It would build cottage estates, well planned, with all amenities, with different types of houses—for the poorest but also for the technical classes, although it was difficult to get the latter to come and live in these places.

Quasi-Satellites in the Green Belt.

If the London Plan was to be carried out the L.C.C. must build for the next few years outside its boundaries if it was to provide the accommodation that was urgently needed, and as yet no one had officially agreed to the Green Belt suggested by Sir Patrick Abercrombie. A Minister had said he accepted the broad general principles of the Plan, but that might mean anything; and, in fact, the Ministry had suggested one or two sites which were actually in the Green Belt in the Plan for Greater London. The small towns which the L.C.C. envisaged would be built according to modern ideas, well laid out, and provide good social facilities. The community centre should go up at the same time as the houses. So also with shops, cinemas and public-houses, in order that people might have the chance to develop their social life in these small towns immediately on going to them.

He saw no objection to building within the Green Belt, provided that building was controlled. He did not think anybody and everybody should be allowed to build any kind of community in what was called the Green Belt, but in view of the tremendously urgent need that he had spoken of, some such scheme was necessary as he was now suggesting. The County Council already had a number of sites which it would be building on, and on some of these work had started.

Proof that the County Council really meant to try to do its job in a big way was provided by the Stepney and Poplar scheme. When that scheme had been first proposed people said it could not be carried out, but the County Council had made a start. Another scheme to which the L.C.C. was committed was one to rebuild entirely the south bank of the Thames back to the Elephant and Castle. The Bermondsey area would be redeveloped, and some other areas also it was to be hoped, along the lines of the London Plan. The expenditure on these and other schemes would be enormous. At the last meeting of the County Council a Report had been presented to it showing that the East London scheme would cost a threepenny rate for about 60 years, but in the long run it would pay financially, apart from being a blessing to hundreds of thousands of families.

There were lots of other problems which the L.C.C. had to face in its housing work. One was as to the type of houses which should be built. A new type had been evolved. The L.C.C. having determined on a larger house than it had ever built before, a new Minister of Health had said he wanted another 50 or 60 square feet added on to it; so that for its new development the County Council would have to plan a larger cottage, and it had been decided that at least 50 per cent. of these cottages should have a garden not only for flowers but for vegetables also—a garden equivalent to a normal allotment.

Among other things, it had been decided to double the number of flats and bungalows built for old people as compared with the number built before the war. Some said even this number would not be enough. He was interested in this problem because he had always thought it wrong that poor old people should be treated in such a way as to segregate them from the rest of the community. Building for old people must be where other people lived, but so as to give them quiet if they wanted this. Small flats and bungalows were being built, and if the old people had got to a stage where they needed the assistance that had formerly been given by the Poor Law, there would be provided for them groups of flats or small hostels run by the Social Welfare Department of the County Council. The L.C.C. would try to build so as to cover all sections of the community. Schools were needed, and in co-operation with the Education Committee the Housing Committee would put small nursery schools on the ground floor of some flats where the mothers, while out at work or shopping, could leave the youngsters in charge of people skilled in looking after them. Experiments would be made with allotments in East London. It was not certain whether or not this would be a success, but it was saddening to go around and see allotments that had been developed during the war going now to rack and ruin. In some cases this abandoned land would be made into public gardens, but wherever there was a demand it was proposed to let the land to those who would cultivate it.

Discussion.

A number of interesting points came out in the subsequent discussion. On the subject of housing old people, Miss Olive Matthews pointed out that if small places were built for them, the houses and flats they left would be available for families.

The lecturer replied that so far as possible this was being done, but the old people did not like being moved.

Another lady said she thought the point of the London Plan was that satellite towns should be outside the Green Belt, and that they should not be dormitory towns, but should be self-sufficient.

The lecturer replied that in the case of Stevenage scores of thousands living there would have to travel to London to work unless you could induce industry to go to Stevenage. There was no power to compel industry to go anywhere. He was told it would take two years to provide Stevenage with electricity, and it might be 14 or 15 years altogether before the new towns got developed. During the next four or five years the people in London who needed houses so badly must come in to London to work. Some of the L.C.C. proposals for building were in the Green Belt, some partly in and partly out. Such places need not be eyesores. There were people who thought Green Wedges would be better than a Green Belt, and even if the L.C.C. and neighbouring town councils were allowed to build in a controlled way outside the county boundary and within 15 or 20 miles of it, this would not make any serious encroachment on the large Green Belt laid down in the London Plan.

DOMESTIC FUEL POLICY

SIMON REPORT

THE Ministry of Health in Circular 112/46 state that the Government have had under consideration the report on domestic fuel policy which has been made to the Minister of Fuel and Power by the Advisory Council which was appointed in November, 1944, under the Chairmanship of Sir Ernest Simon, to consider and advise upon questions concerning the development of the fuel and power resources of the country. The report is now issued (Cmd. 6762).

Fuel Appliances.

The Government are considering the recommendations of the report in detail. They are, in particular, examining the availability of fuel-burning appliances of higher efficiency, of insulating materials, etc., and the development of such appliances and materials. The present position is that, in order to secure the maximum production for the immediate housing programme, manufacturers must continue to make appliances for which patterns are available. To a considerable extent, therefore, production, apart from one or two specialised lines such as the openable stove installed in the temporary prefabricated houses, will be confined to pre-war models for the months immediately ahead. Even so, there will during these months be a shortage of solid-fuel space-heating appliances, and attention is directed to a supplement to Ministry of Health Circular 76/46, which is issued for the guidance of local authorities (Appendix A).

As to the future, discussions are taking place with the manufacturers with regard to the rate at which they can change over to the manufacture of improved appliances without any falling off in the flow of production. It is hoped that the change-over can begin very shortly, and the Government are making such arrangements as are necessary to secure as quickly as possible the maximum production for the benefit of the housing programme.

Temporary Shortage of Smokeless Fuel.

On the question of fuel the Advisory Council recommend that smokeless fuel should ultimately replace household coal for all single domestic appliances. It must be realised, however, that for the present supplies of smokeless fuel are very limited, and no big change from household coal to coke will, therefore, be practicable. Appliances which are non-selective in the fuels they will burn should, therefore, be preferred by the local authority.

The limited supplies of all fuel make the installation of efficient appliances all the more urgent as soon as they can be obtained, but while the design of the house and the installation should be such that the heating standards recommended by the Egerton Committee* and endorsed by the Fuel and Power Advisory Council can be put into practice, these standards may only be possible of achievement when the allocation of fuel can be increased.

Fuel Storage.

The use of two types of solid fuel in one house makes an extra demand on fuel storage accommodation. In the Housing Manual, 1944, it was stated that a fuel store of 12 to 24 sq. ft. should be provided for each house, a large store being advisable where fuel was likely to be ordered by the ton. The Minister now considers that where two types of solid fuel appliances are installed, and also in rural areas where delivery of fuel is likely to be difficult, not less than 20 sq. ft. of fuel storage should be provided.

* Report of the Heating, Ventilating (Reconstruction) Committee, H.M.S.O., 1945.

A Plan with Notes (Appendix B) is annexed for the assistance of local authorities.

Gas and Electricity Supplies.

The Minister has also had under consideration in consultation with the Minister of Fuel and Power the arrangements for supplying gas and electricity to housing estates.

The Minister is satisfied that, unless the gas or the electricity undertaking in the district is not in a position to give a supply to the housing estate, or the cost to the consumer of one or other of these fuels is too high for the normal type of tenant, a decision to service a housing estate with only one of these two fuels to the complete exclusion of the other is prejudicial to the co-ordinated development of both industries, and deprives the consumer of the freedom of choice to which he should be entitled. Local authorities are requested to arrange that each estate should be serviced with both fuels where the respective undertakings are prepared to do so and the cost is likely to be within the tenants' means. The Minister is prepared to leave to the discretion of the local authority the proportion of houses to be provided with either gas or electricity or both, provided that both the gas and electricity undertakings are consulted before the decision is made.

APPENDIX A—SOLID FUEL APPLIANCES

Production of standard or improved patterns of solid fuel space-heating appliances with or without back boilers will not be adequate to meet all the demands for installation in houses under construction and provide enough for essential maintenance. Considerable efforts have been made for some time past to recruit more men into the foundries and these efforts will, of course, be continued. For the present, however, the labour force in the foundries is not large enough to ensure production of these appliances on an adequate scale.

Until further notice local authorities are asked to make provision for the installation of only one such appliance per house in houses under construction in the normal urban area. There should be substantial numbers of dual or multi-purpose appliances available if these are preferred. In the normal instance the local authority will no doubt decide to instal the only solid fuel appliance either in the living-room or in the kitchen living-room. The appliances from which a selection can be made may conveniently be classified into three broad groups as follows:—

(1) A solid fuel cooker with or without a back boiler and with an open grate or a closeable fire capable of burning all forms of fuel.

(2) An openable stove with or without a back boiler capable of burning all forms of fuel. An openable stove is a closed stove of high efficiency which can be opened to give the effect of an open fire with reduced efficiency.

(3) An open grate or a closeable fire with or without a back boiler. A closeable fire is an open grate which can be closed for slow and economical combustion.

Openable stoves are considered to be a more efficient form of solid fuel heating appliance than open grates. For some time to come, however, the gradually expanding output will be largely absorbed by the needs for installation in temporary houses, but it is hoped that there will be an increasing margin of supplies available for use in traditional housing. Blanket orders will be placed with manufacturers of approved types of efficient solid fuel space-heating appliances such as openable stoves and closeable fires and full information will be sent to local authorities when available. For some time to come, however, local authorities should be prepared to make use of the best pre-war models.

It should be noted that while the fuel shortage continues it will be very difficult to meet any increase in the demand for the smokeless fuel required for independent boilers, and these, where possible, should not be installed. Hot water supplies should, therefore, be obtained from a back boiler to the living-room appliance or from a boiler in the solid fuel cooker.

In order that the utmost use may be made of available supplies of appliances the local authority is requested to instal only one type of cooking appliance in each house. If the local authority proposes to instal a gas or electric cooker, use should not be made of appliances in category (1) above. In rural areas, without connections to gas or electric mains, there will be some free-standing solid fuel cookers available for installation.

If the local authority has decided to use the available solid fuel appliance in the living-room, other provision will have to be made for heating parlours, bedrooms or other rooms such as dining-rooms. As a rule heat is required in such rooms only occasionally. The shortage of solid fuel appliances may be overcome in one or other of the following ways:—

(1) Build the chimney flue and construct the fireplace of suitable brick.

(2) The authority may if it so wishes eliminate the chimney flue and provide permanent gas or electric fires, at the same time providing suitable alternative means for ensuring air changes.

Substantial numbers of gas and electric fires are being made, although it may not always be possible readily to secure particular types or makes.

In mining areas and in rural areas where public supplies of gas or electricity are not available, a small number of additional open grates will be available for installation in rooms other than the living-room.

It should be clearly understood that these restrictions on the installation of solid fuel appliances are intended to apply equally to houses erected under licence as well as to those erected by local authorities themselves. Local authorities should ensure that when issuing priority certificates for building materials and components requirements for solid fuel appliances are calculated on the basis of one per house except in the cases of mining areas and rural areas where supplies of gas or electricity are not available, when two solid fuel appliances per house may be ordered.

Local authorities should in future arrange that, except in the two instances given above, all licences for the erection of new houses include a condition that not more than one solid fuel appliance shall be installed.

APPENDIX B—DOMESTIC FUEL STORAGE

The designs shown on page 644 of domestic fuel stores have been prepared in consultation with the Ministry of Health by the Coal Utilisation Joint Council and the Solid Smokeless Fuels Federation. Drawing No. 1 shows a single compartment store based on 12 sq. ft. area for houses where one type of solid fuel-burning appliance is installed, and a two-compartment store based on 24 sq. ft. area for use where two types of solid fuel-burning appliances are installed or for general use in rural areas irrespective of the number of appliances in use in the house.

The principle of design is a somewhat novel type of hopper and aims at

(a) Ease of filling the store for the coalman.

(b) Ease of filling coal scuttles.

(c) Avoidance of necessity of entering the store, so keeping footwear clean.

(d) Choice of small or large fuel or slack by filling coal scuttles from either top or bottom of the hopper.

(e) Permitting maximum use of the cubic contents of the store for those who wish to buy in greater bulk at one time.

It will be noted that the principle of design can be applied to coal stores in various positions although the drawings show only two specific methods. Further, that although the minimum area of 12 sq. ft. has been used for the single fuel store which will take coal or coke, this area may be increased and in rural areas should be increased to a minimum of 20 sq. ft.

The following items may be regarded as optional additions to the store where circumstances and cost permit:—

Delivery Hatches: A delivery hatch with metal door and side cheeks in the side or back of the store may be required if access to the front of the store is difficult for the coalman by reason of the location of the store in relation to the house.

Doors: If it is desired to provide means of closing and locking the store to prevent theft of fuel, doors as shown can be added to close in the front of the store.

Shelf for Wood and front boards: Where it is thought desirable to provide means of storing wood and a place to put the removable front boards when taken out, a shelf can be arranged within the store as indicated.

Sloping Floor: The rear portion of the floor of the store can be sloped towards the removal opening at floor level as indicated in the design. This facilitates removal of the fuel by making it more accessible when the stock is getting low.

No objection will, of course, be taken to the provision of coal stores by other methods where local authorities so desire.

Housing Views of the F.M.B.

At an area meeting of the Federation of Master Builders at Islington it was disclosed by the secretary that the Federation had been invited by the Select Committee of the House of Commons to give its views on housing. House builders from London and the provinces made up the delegation.

THE RECONSTRUCTION OF FALAISE

By B. S. TOWNROE

(Director of the Franco-British Society)

The town of Falaise, in Normandy, which will go down to history for the heroism of Canadian soldiers in the campaign for the liberation of France, is almost cleared of ruins. The task has been immense owing to the complete lack of lorries, cranes or bulldozers. First, the débris blocking the streets had to be removed by hand in order that they might be open to traffic. Then farm carts trundled from the countryside and were used to carry the mass of shelled bricks and masonry to the moat at the foot of the ramparts of the historic Castle, which is now being filled up. The lack of any kind of machinery has made the clearance of the town and the levelling of the sites a very slow affair.

Progress was also handicapped by the fact that at least 85 per cent. of the population had no home of any kind. There were in Falaise on the morning of D-Day, 1944, some 1,600 dwellings. Within two months 1,100 were completely destroyed and 400 badly damaged. One of the first tasks, therefore, was to patch up every cellar or shed that could be made habitable.

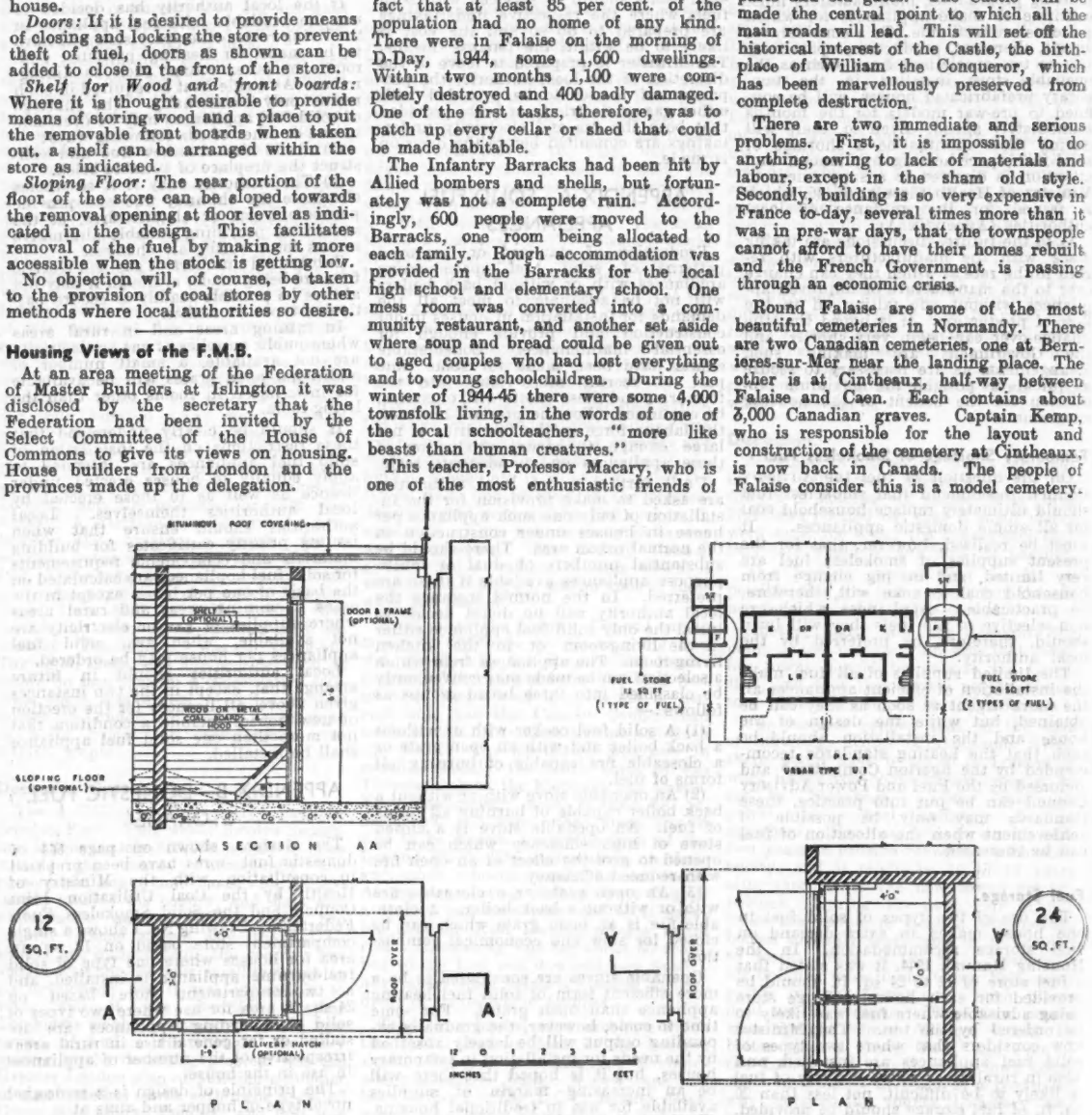
The Infantry Barracks had been hit by Allied bombers and shells, but fortunately was not a complete ruin. Accordingly, 600 people were moved to the Barracks, one room being allocated to each family. Rough accommodation was provided in the Barracks for the local high school and elementary school. One mess room was converted into a community restaurant, and another set aside where soup and bread could be given out to aged couples who had lost everything and to young schoolchildren. During the winter of 1944-45 there were some 4,000 townsfolk living, in the words of one of the local schoolteachers, "more like beasts than human creatures."

This teacher, Professor Macary, who is one of the most enthusiastic friends of Great Britain and Canada, writes that the housing problem to-day, though still very acute, has been improved. This is due first to the provisional repairs carried out to any structure of any kind, and secondly to the erection of 95 wooden huts. Of these 20 have been allocated to the most desperate cases and the others are being used as a hospital, school, store, canteen, and for local administration and dormitories for the building operatives brought into the town to carry out reconstruction work. These are beginning to build a number of small temporary houses, which it is hoped will be habitable before next autumn.

Although provisional plans have been drawn out, the architect responsible for preparing the plan of the Falaise of the future is having to wait for the final clearance of the ruins. He states, however, that his general plan will be to retain as much as possible of the old general outlook of the city with its ramparts and old gates. The Castle will be made the central point to which all the main roads will lead. This will set off the historical interest of the Castle, the birthplace of William the Conqueror, which has been marvellously preserved from complete destruction.

There are two immediate and serious problems. First, it is impossible to do anything, owing to lack of materials and labour, except in the sham old style. Secondly, building is so very expensive in France to-day, several times more than it was in pre-war days, that the townspeople cannot afford to have their homes rebuilt and the French Government is passing through an economic crisis.

Round Falaise are some of the most beautiful cemeteries in Normandy. There are two Canadian cemeteries, one at Bernieres-sur-Mer near the landing place. The other is at Cintheaux, half-way between Falaise and Caen. Each contains about 3,000 Canadian graves. Captain Kemp, who is responsible for the layout and construction of the cemetery at Cintheaux, is now back in Canada. The people of Falaise consider this is a model cemetery.



DESIGN FOR FUEL STORES - 1946 -

TRAVELLING BY CANAL

BY A TRANSPORT OFFICER

WITH the prevailing high costs of transport—rail rates alone averaging some 200 per cent. higher than in other countries—and the congested condition of the railways, streets and roads, attention might well be drawn to our sadly neglected inland waterways.

Before the coming of the railways, canals and rivers carried nearly all the heavy traffics, and if this were done again the railways would be relieved for developing a much greater and better paying passenger traffic.

While in Great Britain canal and river transport have been allowed to decay, on the Continent they have been highly developed as a cheaper form of transport than railways. Canal beds have been gradually deepened, bridges raised and locks modernised to enable 100-, 200- and 300-ton barges to be used. Yet our own canals are still unable to deal with barges much over 30 tons!

Obviously, if a 100-ton or 200-ton vessel were used instead of several 30-tonners, the cost of transport would be reduced to less than a quarter of the charges now made by railway. Given these improvements, and the establishment of a regular daily service, an enormous amount of traffic in the shape of coal, bricks, timber, roadstone, sugar-beet, potatoes and grain would soon be carried all along their courses, to the great benefit of farmers, builders and other traders. A substantial reduction would be made in housing costs.

Many of the barges might be fitted with one-ton containers, into which these traffics could be tipped. On arrival at destination they would be picked up by crane and loaded on to, or tipped into, motor-lorries for local distribution. Further heavy savings would thus be made in loading and unloading costs, and by avoiding delays to barges and lorries.

Road expenditure would be substantially reduced by relieving roads of much of the heavy lorry traffic now responsible for practically all the damage to them. The cost of materials for repairing them would be appreciably cheapened through being carried on the waterways. (A case has been cited in the Press of rail charges adding 150 per cent. to the selling price of stone.)

In the first year, these savings would probably pay for the cost of deepening canals and modernising locks to enable larger barges to be used. The War Transport Minister has actually announced that he has a number of barges he wants to sell, and, so far, has only been offered scrap value for them. A splendid opportunity thus presents itself to big contractors and others to equip their local canal or river very cheaply with a fleet.

Small pleasure steamers might also be run along the canals when they are modernised. New and pleasant country would be opened up for the public to explore. In the long summer evenings, particularly, this quiet, leisurely and cooler form of transport would undoubtedly soon become very popular with the public—particularly the older people—escaping from the noise and dust of towns.

Change of Address.

The Institute of Export has removed its offices to Holland House, 140, Cromwell-road, S.W.7 (nearest station Gloucester-road). Telephone: Western 3128.

TIMBER TECHNOLOGY

T.D.A.'S EDUCATIONAL SCHEME

THE Timber Development Association, Ltd., 75, Cannon-street, London, E.C.4, sponsors a three-year course of part-time classes in Timber Technology. The classes are held in technical institutions in various parts of the country and, once established, they become merged into the normal part-time programmes of the colleges. They have been established in twenty-five centres spread over England, Wales and Scotland, but it is hoped that many more will be opened in the near future.

The standard syllabus in use in all these centres has been drawn up by the Association's Education Standing Committee and National Education Advisory Committee. The latter now includes representatives of each T.D.A. Area Organisation, the Ministry of Education, the Forest Products Research Laboratory (Department of Scientific and Industrial Research), the Association of Technical Institutions, and the Association of Principals of Technical Institutions.

The students, aged 16 years and over, are drawn from the timber trade, timber consuming industries and, in fact, from most occupations in which a technical knowledge of wood is advantageous. They range from shop boys and apprentices to managing directors. The instructors come from the timber trade and the timber consuming industries and from the teaching profession. Some of them are handicraft teachers in Technical Colleges, and a few of them are lecturers and demonstrators in the Botany Departments of Universities. The training courses are under the direction of Mr. E. H. B. Boulton, M.C., M.A., the Technical Director of the T.D.A., and organised by the Education Secretary, Mr. S. A. Simpson, B.Sc., M.R.S.T.

The course is still in its infancy, but the early difficulties are being overcome, and it is hoped that in a very short time everyone whose livelihood depends in any way on timber and who wishes to improve his knowledge of his material, will be able to do so without going far away from home.

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THE CONSULTING STRUCTURAL ENGINEER

FORMS OF CONTRACT FOR ENGAGEMENT

WE have received from the Institution of Structural Engineers two forms of contract for the engagement of a consulting structural engineer, A and B (revised 1946), together with notes on their use.*

FORM A.

This form is for the engagement by the principal of a consulting structural engineer in a direct contract. The principal is here the contractor for the building or engineering work to be performed. The structural engineer is not, however, a sub-contractor to the said contractor; and, although he must look to the contractor for payment of his fees, as indeed all sub-contractors must do (see Hampton *v.* Glamorgan C.C. (1917), A.C. 13), he remains a professional consultant, and is bound by the law of agency alone. The form, with the help of the notes, can be adapted to where the principal is an individual, partnership firm, limited company or local authority; and appears to serve the purpose for which it was intended, *viz.*, to make a proper binding contract for the consultant's services.

FORM B.

This form is for the engagement by the architect to a building contract when acting on behalf of the principal (his client), the "employer" under the building contract. It can also be adapted for use, in the event of the engagement being made by the architect, on his own behalf as principal; in which case, presumably, the structural engineer must look to the architect for his remuneration.

We think it is a mistake for an architect to enter into such an arrangement. The best policy is for the architect to follow the lines laid down in the R.I.B.A. Scale of Professional Charges, which provides that the employment of a consultant is at the architect's discretion in consultation with his client; and that the consultant's fees are to be paid by the architect's client. This ensures the architect receiving his proper fees, and not being called upon to pay the consultant out of his own fees.

Both forms appropriately set out in detail the duties to be performed by the consulting engineer and since by the contract he is to be paid in accordance with the "Scale of Charges for Structural Engineers" issued by the Institution, there should not arise any questions in respect thereof.

We notice that in both forms arbitration is introduced to determine dispute. We doubt, however, whether this method is efficient in the case of a professional man, since, in general, only points of law arise; and they are best determined in the Courts.

Timber Courses.

DR. H. E. DESCH, F.S.I., has arranged two courses on Timber, each of a week's duration and each limited to 10 students, at Southfield House, Oxford. The courses, which commence on Mondays, July 15 and 22, respectively, will cover a considerable field and include visits to the Forest Products Research Station. Applications for the course (the fee for which will be 12 guineas) should be made to Dr. Desch at Hill Garth, Blue House-lane, Limpsfield, Surrey.

* Institution of Structural Engineers, Upper Belgrave-street, S.W.1. Price 2s. 6d. each.

IN PARLIAMENT

Welsh Slate Industry.

MR. GORONWY ROBERTS asked the Minister of Works if the committee to inquire into the Welsh slate industry was now complete as to personnel; if he would give the names of those who had agreed to serve on it; and when it would commence its work.

MR. TOMLINSON said he had appointed the committee which was to inquire into the Welsh slate industry. The committee was complete and began its work at the end of last month. The committee was composed of the following:—

Chairman: Sir Frederick Rees, University College of S. Wales and Monmouthshire. *Members*: D. Ivor Evans, Dr. F. J. North, Dr. Shaffer. *Representatives of Quarry Owners*: H. Cutts, H. B. Gould, Col. J. G. Wynne-Williams and O. T. Williams. *Representatives of Employees*: John H. Jones, Robert J. Jones, Robert Owen, R. W. Williams. *Secretary*: Alwyn D. Rees, M.A.

Licensing Matters.

MR. PIRATIN asked the Minister of Works how many licences had been granted by his regional licensing officers in the Administrative County of London since July, 1945, for work on non-residential properties, and on hotels and clubs.

MR. TOMLINSON said that separate figures were not available for the Administrative County of London, but his licensing officer for the London Region (which included the Administrative County of London) had since July, 1945, up to the end of May, 1946, issued 29,613 licences for work on non-residential properties and 470 licences for work on hotels and clubs.

MR. PIRATIN asked the Minister of Works what consultation his regional licensing officers had with the local authorities before granting licences within the area of the particular local authority.

MR. TOMLINSON said his regional licensing officers consulted the local authority concerned before granting licences in all cases of work on dwellings and in various other cases where the local authority was in a position to give useful advice.

MR. T. BRADDOCK asked the Minister of Works why, when a local authority was willing to issue a certificate of essentiality in the case involved, the application for a licence on any work over £100 in value in an occupied house had to be referred to the regional licensing officer for decision.

MR. TOMLINSON said that these applications were referred to the regional licensing officer so that he might give a decision on his (the speaker's) behalf. The certificate from the local authority was the means by which their advice was obtained before the decision was given.

MR. ANTHONY NUTTING asked the Minister of Works how many applications for Class B release for the building trade had been sponsored by his department up to June 1, and how many such applications had been rejected up to that date.

MR. TOMLINSON said that up to June 1, 1946, recommendations for release of individual specialists under Class B were made in 4,387 cases and of these 509 were rejected.

Repair of War-Damaged Houses.

MR. BOSSOM asked the Minister of Health what was the limit to the amount that might be expended on repairing a war-damaged house.

MR. BEVAN said that there was no general limitation. In each local authority district, however, regard was had to the amount of outstanding work in relation to the supplies of labour and material before the local authority determined the extent of work to be carried out to war-damaged houses.

"THE FIRST LESSONS OF STEVENAGE"

MR. CHARLES DALTON'S LECTURE TO T. AND C.P.A.

SPEAKING at a lunch-time meeting of the Town and Country Planning Association on "The First Lessons of Stevenage," on June 13, MR. CHARLES DALTON said that the most dangerous opponents of the New Town are the season ticket holders who lived on the site. "These Jacobins of the 8.15," he added, "are a favoured minority who can work in a great city and then escape to rural delights in the country. I wonder if they reflect on the millions in London alone to whom such escape is impossible, who return to houses as dingy as and less hygienic than their factories? The dormitory population helped to manufacture most of the fuss at Stevenage, and I have no doubt they will spring into activity with all the other places."

The prime need when planning to enlarge a small town like Stevenage was to have good public relations with the existing residents of the town, especially with those who had lived and worked there all their lives. It was not wise to have too much officialdom which they would naturally distrust. They were there first and should be approached in a friendly way. It should be possible to persuade all the people affected that they were taking part in a great adventure. The planners themselves should take warning from what happened at Stevenage. They were apt to get rather self-satisfied and forgot that human nature would not always conform to their rules.

The lecturer felt that one way to achieve this unity of purpose was to take good planning films to the town concerned and show them in all the cinemas and halls available. Let the people see films like "The City" and "Land of Promise," and, of course, films should be made specially. Another way was to win the co-operation of the local Press. At Stevenage, for example, there was no local newspaper and the people had had no objective report of what was to happen from their own paper. The great advantages that an extension to a town like Stevenage could bring should also be stressed. The children would have a much better chance. There would be better schools and other facilities. They would be healthier and happier than in the congested area of a big town. Stevenage itself had been worrying for years about the out-of-date school buildings which existed there.

MR. DALTON concluded his talk by saying: "I do hope that the Stevenage plan goes forward and that the mistakes already made will be corrected. One thing I do implore is that the gentlemen at 32, St. James's-square should realise that you cannot do social or physical planning from a remote distance. The best architecture and town planning grows from the site. In social planning you must live among people and not away from them if you want to find out what they need. I do hope that very quickly the Minister will set up some sort of Public Relations Bureau in Stevenage to tell the people, on the spot, how they will become part of a new plan."

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MATERIALS FOR SMALL REPAIRS

FIVE PER CENT. MARGIN

To assist builders and property owners to carry out small repairs which, while not of a kind qualifying for W.B.A. priority, are still of a necessary character, a modification has been made to the Priority Distribution Scheme for Building Materials. Builders' merchants and wholesalers will be able to place priority orders with their suppliers for quantities 5 per cent. in excess of the amounts necessary to meet the W.B.A. Priority orders they have in hand. This 5 per cent. margin will be available to meet non-priority requirements for building materials and components. This new arrangement came into force on June 20.

INDUSTRIAL PREMISES

USE OF UNSUITABLE BUILDINGS

FOLLOWING a Report made by an Inter-Departmental Committee on the use of unsatisfactory or unsuitable buildings as factories, the Government (states M.O.H. Circular 130/46) has under consideration the steps that might be taken to prevent persons using such buildings for factory purposes.

As a first step to avoid fresh cases of the use of unsuitable buildings, it is felt that it would be an advantage if H.M. Factory Inspectorate could be informed as early as possible of the proposed use of premises for factory purposes. Under the Factories Act, 1937, the occupier of a factory is required to inform the District Inspector of Factories of the use of premises for factory purposes not later than one month from the date of occupation. If, however, the Factory Inspector could be informed of proposals in advance of occupation he might persuade the intending occupier, in the case of unsuitable premises, not to start work there, or in other cases advise him on how to adapt the premises to meet statutory requirements while avoiding unnecessary expense. It is suggested that local authorities could help in this matter by notifying the District Inspector of Factories of any proposals of which notice is given under the procedure relating to Building Bye-laws and Regulations. The Minister of Health hopes that local authorities will be ready to co-operate in this matter, which has for its object the improvement of factory arrangements and conditions and which will have a beneficial effect on public amenities as well as on the factory workers themselves.

CRAFTSMANSHIP IN BUILDING

FIRST CERTIFICATES AWARDED UNDER NATIONAL SCHEME

THE Government-sponsored BUILDING APPRENTICESHIP AND TRAINING COUNCIL (B.A.T.C.) which was established three years ago under the chairmanship of Sir Malcolm Trustram Eve, Bt., set up a scheme for the registration of building trade apprentices serving apprenticeships under conditions which meet the minimum standards of the Council. The minimum standards stipulate that there shall be a written agreement of apprenticeship which shall provide :—(1) that the apprentice shall be taught his whole craft; (2) that the apprenticeship shall be subject to the oversight of a Joint Apprenticeship Committee of the Industry; and (3) that the apprentice shall be released by his employer on one day a week or its equivalent for regular and compulsory attendance during normal working hours at an appropriate technical course.

The National Joint Councils for the Building Industry in England and Wales and in Scotland (covering the traditional crafts) responded to the lead of the Building Apprenticeship Training Council, and established national apprenticeship schemes complying with these standards.

The scheme provides that a certificate will be given to successful apprentices once the Joint Committee has declared that the apprenticeship has been completed satisfactorily. The first three of these certificates are now to be granted to :—L. S. Coventry, 5, Sefton Street, Litherland, Liverpool; R. Jones, 82, Victoria Road, New Brighton, Cheshire; K. J. Brown, 27, Kimberley Crescent, Fishponds, Bristol.

They are to be congratulated on their success and on becoming the first of many craftsmen who in the future will have the certified proof that they entered the industry and were trained for their craft in accordance with the new conditions established by the Industry and the Building Apprenticeship and Training Council.

The Registration scheme will greatly benefit the industry by encouraging sound apprenticeship and thereby raising the standard of craftsmanship in the building industry. From now on it is expected that there will be a steady stream of well-trained apprentices passing on into the ranks of craftsmen.

LOCAL LOANS FUND

RATES OF INTEREST

THE Lords Commissioners of the Treasury have now directed that the following rates of interest shall apply to all loans advanced to local authorities, as defined in Section 10 of the Local Authorities Loans Act, 1945, from the Local Loans Fund on and after June 1, 1946 :—

Loans for not more than five years, 1½ per cent.

Loans for more than five years, but not more than 15 years, 2 per cent.

Loans for more than 15 years, 2½ per cent.

By virtue of Section 92 (2) of the Housing Act, 1935, the rate of interest on advances made by local authorities under the provisions of the Small Dwellings Acquisition Acts is fixed at a rate ¼ per cent. in excess of the rate of interest which, one month before the date on which the terms of the loan or advance are settled, was the rate fixed by the Treasury in respect of loans from the Local Loans Fund to local authorities for housing purposes.

COMPULSORY ACQUISITION OF LAND BY LOCAL AUTHORITIES

BY W. T. CRESWELL, K.C.

ON April 18, 1946, the Acquisition of Land (Authorisation Procedure) Bill, having received the Royal Assent, came into force. And now the Ministry of Health has issued to all concerned Circular 104/46, and this is accompanied by a memorandum on the provisions of the Act and the new codes of procedure for the compulsory acquisition of land by local authorities.

Furthermore, the Minister, in accordance with the requirements of the Act, has made the Compulsory Purchase of Land Regulations, 1946 (S.R. & O., 1946, No. 573). This last gives in complete detail the forms to be used in connection with the new Compulsory Purchase Order procedure, and generally how they are to be filled in and settled. They supersede, so far as local authorities are concerned, certain forms prescribed for various purposes by existing regulations, and instances are given of these purposes.

The Minister points out that the new Act has two main objects : (1) To replace in a permanent form the temporary powers in Section 2 of the Public Works Facilities Act, 1930, of which local authorities have made wide use, at the same time making this a uniform code replacing and embodying the best features of other existing codes for authorising the compulsory purchase of land by means of a Compulsory Purchase Order; (2) To provide for a limited period an even speedier method (subject to certain safeguards) which can be used when it is urgently necessary in the public interest to obtain possession of land essential for some public purpose.

It should be noted that the Act confers no powers of compulsory purchase for purposes for which local authorities do not already possess such powers but removes a number of limitations in procedure on the acquisition of certain types of land. But the new prescribed form of Compulsory Purchase Order does not, as is usual in the case of acquiring land compulsorily, incorporate the Lands Clauses Acts. They are incorporated in the Act itself.

Compensation is based on the provisions set out in Part II (and more particularly Section 57) of the Town and Country Planning Act, 1944.

Section 57 lays down as a rule that the assessment of compensation, as respects specified circumstances occurring within the period of five years from the commencement of the Act of 1944 (*i.e.*, November 17, 1944) shall be ascertained by reference to prices current at March 31, 1944.

A HANDBOOK OF WOODCUTTING

ECONOMICAL production from woodcutting machinery depends on maintaining the maximum output, in conjunction with the required quality of finish, at a reasonable cost, and it had become increasingly evident from the numerous requests for assistance in sawmilling and woodcutting problems received by the Forest Products Research Laboratory that a handbook on correct technique was urgently needed. Adequate information on the many factors involved in sawing and machining wood has not hitherto been available in published form, and a recently issued publication* is intended to meet this need by providing a handy reference, with a scientific background. The handbook has been written by Mr. P. Harris, B.Sc., A.M.I.Mech.E., the officer-in-charge of the Woodworking Section of the Forest Products Research Laboratory. With the exception of certain simple formulæ, the mathematical aspects of the subject have been omitted, as it is hoped to deal with them in a separate work. The handbook contains detailed information and recommendations relating to the various forms of sawing and to planing, moulding, tenoning, mortising, boring and turning operations. Diagrams with appropriate data, together with tables relating to tooth pitch, gauges and spindle speeds, are included.

THE WRONG "CHOSEN INSTRUMENT"

SIR HAROLD WEBBE ON LOCAL AUTHORITY BUILDING

SPEAKING at a luncheon in his honour given by the London Master Builders' Association's Central No. 1 Area, Sir Harold Webbe, M.P., criticised the Government's decision to make local authorities their "chosen instrument" on the ground that it was putting far too big a strain on them.

"I am convinced," said Sir Harold, "that before they are through they will be obliged to give much greater latitude to the building industry to get on with its own job in its own way. There has to be some control over materials to be used on priority jobs. With that we all agree, but if certain existing controls were relaxed I believe you would get far quicker results."

In London the Government should produce a plan in which the large houses could be converted into smaller flats which would accommodate the type of person which needed accommodation.

Mr. C. E. B. Head, Chairman of the Area, presided.

* "A Handbook of Woodcutting." H.M. Stationery Office, price 9d. (by post, 10d.).

NEWS ITEMS

University Lectureship in Timber?

A request that every consideration be given to the establishment of a Readership or Lectureship in timber construction at Cambridge University was made by Mr. Bryan Latham, President of the Timber Trade Federation of the United Kingdom, at the annual general meeting of the Timber Development Association, Ltd., held on Tuesday, June 4. He urged that the matter be viewed from a national as well as a trade basis. Mr. Percy B. Meyer, deputy chairman of the Association, moving the adoption of the annual report, spoke of the research work of the Association, which was to be largely increased in the near future.

Library of Air Photographs.

The library of Aerofilms, Ltd., 29, Old Bond-street, London, comprises many thousands of air views of cities, towns and villages, industries, roads, railways, bridges, and engineering features in the British Isles. This library has been built up during the course of the last quarter of a century, and is of especial interest to architects and town planners.

Errata.

Mr. D. E. Harrington informs us that he is not the architect for the factory at Ilford to which reference was made under New Buildings in London in our issue for June 14. We regret the inaccuracy.

We are informed by the London Master Builders' Association that they have not secured the contract for the erection of 16 houses at Rayners-lane estate, Harrow, as published in our last issue.

Minimum Uses of Lead in Building.

Lead Industries Development Council issue from Eagle House, Jermyn-street, S.W.1, a leaflet, "Vital Uses of Lead-Sheet and Pipe in House Building," which sets out by text, keyed to diagrammatic sketches, the vital minimum uses of lead as laid down by M. of W. Economy Memorandum—Lead (issued as supplement to M. of H. circular 76/46). The leaflet will be most useful to architects and builders as being a clear interpretation of this Economy Memorandum.

Gas or Electric Cookers.

Priority Distribution Notes, No. 2 (Supplement to Ministry of Health Circular 76/46) state that gas and electric cookers are not in the list of goods covered by the general building materials priority scheme, but are supplied under "blanket orders" placed by the Ministry of Supply, details of which were given in earlier supplements to Circular 76/46. Arrangements have now been made with the manufacturers and distributors, and are now operative, to ensure that priority for the supply of these articles, and gas and electric meters, is accorded to new housing accommodation, including accommodation brought into occupation as a result of conversions and war damage repairs, and to existing dwellings which possess no other means of cooking or meters. No form of priority certificate (as in the W.B.A. Scheme) is required and it will only be necessary for the housing authority, or building contractor acting on its behalf, when placing orders with the supply undertaking or manufacturer, to give details of the particular project, specifying the class of accommodation for which the articles are required.

OFFICIAL NOTIFICATION

Pine Tar.

The Board of Trade announce that as from July 1 no further purchases of pine tar will be made on Government account. Thereafter, imports will be entirely on private account. Such imports, save in exceptional cases, will be through the Wood Tar and Pitch Importers' Association, Ltd., acting on behalf of its members.

THE SCOTTISH BUILDER
NEW BUILDINGS

Carfin.—Factory block proposed, for which the architects are Wylie, Shanks & Wylie, 204, West Regent-st., Glasgow.

Glasgow.—Alterations and additions for Toffolo Jackson & Co. Plans by James Taylor, 196, West Regent-st., Glasgow.—Reconstruction and alterations for Robert Young & Co., Ltd. Plans by Wright & Kirkwood, 26, Blythswood-sq., Glasgow.—Additions and alterations for the Glasgow Royal Mental Hospital. Plans by Frank Burnet & Boston, 180, Hope-st., Glasgow.

Glasgow.—Additions and alterations proposed for Thomas & James Bernard, Ltd., at Paisley-rd., for which the architect is John Easton, 248, West George-st., Glasgow.—Corporation to erect housing scheme at Barrhead-rd., for which the architect is Ronald Bradbury, 20, Trongate; and dining-hall, etc., at St. Mark's-st., for which the architect is John MacNab, 129, Bath-st.

FUTURE CONSTRUCTION
CONTRACTS OPEN

For some contracts still open, but not included in this list, see previous issues. Those with an asterisk are advertised in this number. The dates at the heads of paragraphs are those for the submission of tenders; a dagger (†) denotes closing date for applications; the name and address at the end refer to the person from whom particulars may be obtained.

BUILDING

JULY 3.

†***Bilston T.C.**—Contract No. 128: 77 houses at Gt. Bridge-rd. site; Contract No. 129: Park Superintendent's Lodge at Hickman Park. Boro' A. Dep. £2 2s. each contract.

JULY 5.

†***Folkestone T.C.**—16 houses at Horn-st., site No. 1. E. L. Allman, A.M.I.C.E., B.E. Dep. £3 3s. Tenders by July 22.

JULY 6.

†**Cumberland C.C.**—11 police houses at various sites. County A.

Gillingham.—Erection and completion of two M.O.W. Standard 24 huts. B.E. and S. Dep. £1 1s.

South Cambs. R.D.C.—5 pairs Swedish houses. T. Stone, Housing Officer, County Hall, Cambridge. Dep. £2 2s.

Stockbridge U.D.C.—20 houses at Spink Hall estate. S.

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Wath-upon-Dearne U.D.C.—86 houses (two types). E. and S.

JULY 8.

Aberayron R.D.C.—6 houses and road works at Llwyncelyn Village. J. Owen Parry and Lewis, Architects, Arcade-chbrs., Ammanford. Dep. £3 3s.

Barrowford U.D.C.—(a) Roads and sewers; (b) erection of houses; (c) demolition of shelters. E. and S. Dep. £2 2s. for (a) and (b) and £1 1s. for (c).

Cheshire C.C.—Hutted kitchen and dining room and demolition of shelters at Stalybridge Westhill Boys' Modern Secondary school. E. M. Parkes, County A. Dep. £2 2s.

†**Coventry T.C.**—Construction of covered concrete reservoir, etc. Binnie, Deacon and Gourley and Herbert Lapworth and Partners, Engineers, Artillery House, Artillery-row, Westminster, S.W.1. Dep. £10. Tenders by July 23.

†**Hexham R.D.C.**—(a) 24 houses; (b) roads and sewers. C. Dep. £2 2s.

***Malvern U.D.C.**—Central electricity substation at Swan Pool Alley. S. and Water E. Dep. £2 2s.

Neston U.D.C.—Erection of pumphouse. F. Charles Saxon (F.), F.S.I., 2, Stanley-st., Chester. Dep. £2 2s.

Portland U.D.C.—54 houses at Pound Piece, Weston-rd. Crickmay and Sons, 23, St. Thomas-st., Weymouth. Dep. £2 2s.

Preston T.C.—Hutted kitchen, dining room, etc., at Grammar School. B.E. and S.

Rhayader R.D.C.—12 houses at Dark-la. S. N. Shrimpton and Son, Knighton, Radnor. Dep. £2 2s.

Rugeley U.D.C.—46 houses at Burnthill-la. E. J. James, E. and S. Dep. £2 2s.

Stourbridge T.C.—Alterations and additions at Depot House, Birmingham-st. G. N. Maynard, B.E. and S.

JULY 9.

Bath T.C.—14 houses and 8 flats at Moorlands estate. Contract No. 2. City E. Dep. £2 2s.

***Gloucester T.C.**—66 houses at Coney Hill. City A. Dep. £3 3s.

Irlam U.D.C.—106 houses at 2 sites. Henry Nurse (F.), E. and S. Dep. £3 3s.

Isle of Man Local Govt. Board.—Layout of roads, drainage and erection of 22 houses off Station-rd., Colby, Arbory. Lomas and Barrett, Chartered Architects, Martins Bank-chmbrs., Victoria-st., Douglas, I. of M. Dep. £2 2s.

Manchester T.C.—Prefabricated hut to form housewifery block at College of Domestic Economy. City A. Dep. £1 1s.

Northallerton U.D.C.—6 pairs of houses at Crosby-rd. estate. C. Dep. £1 1s.

Pembroke R.D.C.—16 houses at Stackpole. J. Owen Parry and Lewis, Architects, Arcade-chmbrs., Ammanford. Dep. £3 3s.

Ystradgynlais R.D.C.—26 houses and road and sewer works at Gorof-rd. W. Edgar Evans, F.S.I., E. and S. Dep. £2 2s.

JULY 10.

Disley R.D.C.—38 houses at Bentside site. W. C. Young (F.), 195, Oxford-rd., Manchester 13. Dep. £2 2s.

†***Wood Green T.C.**—24 flats at Durnsford-rd. R. Harrison, A.M.Inst.C.E., B.E. and S. Dep. £2 2s. Tenders by July 31.

JULY 11.

Feltham U.D.C.—100 houses at South Bedfont site. E. and S. Dep. £3 3s.

Feltham U.D.C.—12 houses at Hounslow-rd., Hanworth. E. and S. Dep. £3 3s.

***Southend-on-Sea C.B.**—Contract A: 11 pairs of houses at Eastern-ave. site No. 2. Contract B: 11 pairs of houses at Eastern-ave. site No. 2. B.E. Dep. £2 each contract.

JULY 12.

Cwyrfai R.D.C.—(a) 90 houses at 5 sites; (b) roads and sewers. D. H. Roberts (L.), Architect and S. Dep. £2.

Dover T.C.—Relaying hardwood floor in Connaught Hall, Town Hall. B.E. and S. Dep. £1 1s.

***Dundalk U.D.C.**—79 houses at St. Alphonsus-rd. J. F. Doris, B.Sc., M.Inst.C.E.(I.), Town S. Dep. £5.

JULY 13.

Glossop T.C.—28 houses and 8 aged persons' flats at Sheffield-rd. G. Faulds, M.I.M. & Cy.E., B.S. and Registered Architect. Dep. £3 3s.

†***Isle of Ely C.C.**—Alterations and extensions to showers and changing room at Girls' High School. Wisbech. R. D. Robson (A.), County A. Dep. £2 2s. Tenders by August 3.

Kirkburton U.D.C.—14 houses at New-rd. Joint Clerks. Dep. £2 2s.

JULY 15.

Beddington and Wallington T.C.—140 houses at Park Farm. B.E. and S. Dep. £3 3s.

Brentford and Chiswick T.C.—18 flats at The Mall, Boston Manor-rd. B.E. and S. Dep. £5 5s.

***Brentford and Chiswick T.C.**—Garage at Town Meadow Depot. B.E. and S. Dep. £2 2s.

Doncaster C.B.—38 houses at Wheatley Park estate. Estates S., 15, South Parade. Dep. £3 3s.

Formby U.D.C.—28 houses at Church-rd. E. and S.

***Glanford Brigg R.D.C.**—6 houses at Whitton.

Lincs. Buttrick and Buttrick (F. and A.), 43, Oswald-rd., Scunthorpe. Dep. £2.

†*Hartley Wintney R.D.C.—16 houses at Crondall, Hants. C.

Halesowen T.C.—(a) 60 houses at Banners-la. estate; (b) roads and sewers. Details for (a) from J. C. T. Cole, Architect, Central-bldgs., Long-la., Blackheath. Dep. £2 2s., and (b) B.S. Dep. £2 2s.

*Huntingdon E.C. Conversion of American Red Cross buildings at Cromwell Walk into County Primary School. T. H. Longstaff (F.), County A.

Peterborough C.C.—Alterations at "The Gables" maternity home, Thorpe-rd. County S. Dep. £2 2s.

Selby U.D.C.—78 houses at Abbot's-rd. W. J. Kay, E. and S. Dep. £2 2s.

*Wembley T.C.—Reconstruction of 3 houses at Dors-cl., Kingsbury. Boro' Treas. Dep. £2 2s.

†*West Ham C.B.—116 dwellings (three-storey flats) at Hemsworth-st. area. T. E. North, Boro' A. and Planning Officer. Dep. £2 2s.

JULY 16.

Cheshire Joint Board for the Mentally Defective.—2 blocks for male patients, external heating ducts, roads, drains and other works at Cranage Hall Colony. E. M. Parkes (F.), Architect to the Joint Board, The Castle, Chester. Dep. £2 2s.

Cowbridge R.D.C.—50 houses and roads and sewers at Tylacoch, Llanharry. Edward Loveluck (A.), 12, Dunraven-pl., Bridgend. Dep. £3 3s.

Ludlow T.C.—6 terrace houses at Temeside. S. N. Shrimpton and Son, Architects, Knighton, Radnor. Dep. £2 2s.

*Wandsworth B.C.—Rebuilding six maisonettes at Gorse-rise, Streatham. George Elkington and Son, Norfolk House, 7, Laurence Pountney-hill, E.C.4. Dep. £2 2s.

JULY 17.

Brighton C.B.—Section IB, 56 houses and 44 Duplex flats; Section IIB, 62 houses and 28 Duplex flats. B.E. and S. Dep. £3 3s. each section.

Newark T.C.—70 houses off Winthorpe-rd. B.S. Dep. £2 2s.

†*Surbiton T.C.—180 houses at Mansfield-rd. estate, Hook. B.S. Dep. £5 5s.

JULY 18.

*Alton R.D.C.—24 houses at Whitehill, Hants. C. Dep. £10 10s.

Andover R.D.C.—30 pairs of houses at 5 sites. F. Henshaw, Architect, Westminster Bank-chbrs., Andover. Dep. £2 2s.

*Ringwood and Fordingbridge R.D.C.—28 houses at 5 sites. Frank Andrews (L.), 45, High-st., Ringwood. Dep. £2 2s.

JULY 20.

*Bridgwater T.C.—180 houses at Hamp estate. B.E. Dep. £2 2s.

Elland U.D.C.—Work in all trades for 30 houses at Stainland site, Contract No. 1. F. R. Birkhead, E. and S. Dep. £2 2s.

Potters Bar U.D.C.—38 houses at 2 sites. E. H. Walden, M.Inst.M. & Cy.E., E. and S. Dep. £3 3s.

JULY 22.

Camberwell T.C.—Rebuilding 3 pairs of houses at Red Post Hill. Wm. Bell, M.Inst.C.E., F.S.I., B.E. and S.

*Cardiff T.C.—309 houses at 3 sites. City S. Dep. £2 2s.

Downham R.D.C.—12 houses at 2 sites. H. C. Hughes and Peter Bicknell (FF.), 1, Tunwells-court, Trumpington-st., Cambridge. Dep. £2 2s.

Weymouth and Melcombe Regis T.C.—25 houses and 16 flats off Benville-rd. B.E. and S. Dep. £2 2s.

JULY 23.

*Upton-on-Severn R.D.C.—20 houses at 2 sites. Pemberton and Bateman (F. and A.), A.M.T.P.I., 29, High-st., Evesham. Dep. £2 2s.

JULY 24.

*Hackney B.C.—Rebuilding 10 flats at Powell House, Lower Clapton-rd. W. G. H. Goodwin (L.), Housing Manager, 219, Mare-st., E.8. Dep. £2 2s.

*Northfleet U.D.C.—90 houses at New House Farm estate. E. and S. Dep. £2 2s.

JULY 26.

*Orpington U.D.C.—80 houses at Mountfield site, St. Mary Cray. L. O. Wall, C. Dep. £3 3s.

JULY 30.

*Deptford T.C.—(a) 100 flats at Clyde-st.; (b) rebuilding 7 houses at Brockley estate. T.C. Dep. £2 2s. each section.

NO DATE.

Beverley.—18 houses at 3 sites. G. Palfreyman, E.S. and Architect, 36, Market-pl. Dep. £1 1s. each contract.

MISCELLANEOUS

JULY 10.

Whitstable U.D.C.—Demolition of shelters and water supply tanks. S. and Water B.

JULY 12.

Sedgley U.D.C.—Demolition of shelters and civil defence structures. E. and S. Dep. £1 1s.

JULY 15.

Billericay U.D.C.—Demolition of shelters and static water tanks. S. Dep. £2 2s.

*Horsham U.D.C.—Supply and erection of 364 lin. yds. of wrought-iron railings at Horsham Park. C.

Lewes T.C.—Demolition of approx. 138 blast walls and removal of 85 doors and frames. B.S.

PAINTING, ELECTRIC LIGHTING, MATERIALS, ETC.

JULY 8.

Lancs. C.C.—Interior decorating and external painting at various schools. County A.

Llandovery T.C.—External painting of 74 houses. B.S.

London County Council.—Repainting Highgate Archway. Chief E. Dep. £1.

JULY 10.

West Riding C.C.—Renovations at various schools. A. Beilby, Div. Ed. Officer, 29, Standard House, Huddersfield.

JULY 18.

Bolton T.C.—Painting bridges. B.E. and S.

ROADS, SEWERAGE AND WATER WORKS

JULY 8.

Felling U.D.C.—Roads and sewers at Highlanes, Heworth. C. Dep. £2 2s.

Rugby T.C.—Laying of 160 yds. of 9 in. foul sewer, etc., at Newbold. B.E. and S.

*Southampton C.C.—Septic tank sewage disposal works at Abbey Wells Boys' Home, Woolton Hill. County A.

Stafford T.C.—Foundations, drainage, etc., at Rising Brook estate. B.S. Dep. £2 2s.

Stoke-on-Trent T.C.—Extensions at Meir sewage purification works. City Sewage E. Dep. £2 (Treasury notes).

Thedwastre R.D.C.—Road and footpaths at Elmswell. Hunt and Coates, 84, Guildhall-st., Bury St. Edmunds. Dep. £2 2s. Tenders by July 31.

JULY 9.

Cardiff T.C.—Sewer works. City E. Dep. £3 3s.

Wrexham R.D.C.—Roads and sewers at various sites. S. Dep. £2 2s.

JULY 10.

Bebington T.C.—Roads and sewers at Brackenwood site. B.E. and S. Dep. £2 2s.

Billericay U.D.C.—Roads and sewers at Vange site. S. Dep. £2 2s.

Erith T.C.—Roads and sewers at Lesney Farm estate. J. H. Clayton, B.E. and S. Dep. £2 2s.

Rothwell U.D.C.—Supply and laying of approx. 6,000 yds. of 6 in. water main. Pick, Everard, Keay and Gimson, 6, Millstone-la., Leicester. Dep. £1 1s.

Slough T.C.—Reconstruction of Elliman-ave. B.E. Dep. £2 2s.

JULY 11.

Andover R.D.C.—Roads and paths at 3 sites. F. Henshaw, Architect, Westminster Bank-chbrs., Andover. Dep. £1 1s.

Woking U.D.C.—Roads and sewers at Well-la., Horsell. E. and S. Dep. £2 2s.

JULY 12.

Southport C.B.—Roads and sewers at Rufford-rd. B.E. Dep. £2 2s.

JULY 13.

Clitheroe R.D.C.—Roads and sewers at Chipping site. D. Fazackerley, Architect, 20, Ribblesdale-pl., Preston. Dep. £2 2s.

Greenock T.C.—Roads and sewers at Larkfield. Master of Works, Municipal-bldgs.

JULY 15.

Barrow-in-Furness C.B.—Roads and sewers at Newbarns South site. B.E. and S.

Rhymney U.D.C.—Roads and sewers at Pen-y-dre and Ael-y-brn. C. Dep. £2 2s.

*St. Albans R.D.C.—Roads and sewers at Marford-rd. scheme. C. Dep. £2 2s.

JULY 17.

Bucks Water Board.—Supplying and laying of approx. 15,400 yds. of 15 in., 12 in., 10 in. and 7 in spun-iron water mains, etc. G. Smethurst, B.Sc., A.M.Inst.C.E., Water E., 22, Walton-st., Aylesbury. Dep. £2 2s.

Epping R.D.C.—Extensions to sewage disposal works at Harlow. A. P. I. Cotterell and Son, Engineers, 54, Victoria-st., Westminster, S.W.1. Dep. £3 3s.

JULY 20.

Chippenham T.C.—Extensions at Westmead Sewage Disposal Works. B.E. Dep. £5 5s.

Gillingham T.C.—Reconstruction of portion of Watling-st. B.E. and S. Dep. £2 2s.

JULY 21.

Hinckley U.D.C.—Roads and sewers at Ashby-rd., cemetery extension. S. Dep. £2 2s.

JULY 22.

Braintree R.D.C.—Roads and sewers at Hatfield Peverel site. W. Herbert Bateman, M.Inst.C.E., Halifax House, Bank Plain, Norwich. Dep. £3 3s.

*Rhyl U.D.C.—Roads and sewers at Marsh-rd. E. and S.

JULY 24.

Lichfield R.D.C.—Laying of approx. 10,700 lin. yds. of sewers, construction of pumping station and disposal works. J. G. Rimand, E. Dep. £5 5s.

Wetherby R.D.C.—Sewerage and sewage disposal works. W. K. Rodwell, A.M.I.C.E., Engineer, 44, Park Cross-st., Leeds, 1.

NO DATE.

Horbury U.D.C.—Roads and sewers at Manor Fields site. S. and Water E. Dep. £5 5s.

Mannings Heath, Sussex.—Site levelling and formation of roads. G. Coles (F.), 40, Craven-st., W.C.2.

PUBLIC APPOINTMENTS

*Full details of Public Appointments marked * are advertised elsewhere in this issue. Those marked † have been advertised in previous issues.*

JULY 6.

*Croydon C.B.—(1) 2 General Architectural Assistants; (2) Architectural Assistant.

*Witham U.D.C.—Clerk of Works.

JULY 8.

†Blackburn C.B.—(a) Senior Architectural Assistant; (b) Architectural Assistant; (c) Architectural Assistant; (d) Architectural Assistant; (e) Assistant Quantity Surveyor.

†Bolton C.B.—(a) Quantity Surveying Assistant, Grade IV; (b) Quantity Surveying Assistant, Grade II.

†Brighouse T.C.—Architectural Assistant.

*Dover T.C.—Quantity Surveyor.

*Liverpool E.C.—Full-time Assistant Teacher of Bricklaying.

*Liverpool E.C.—Assistant Teacher of Bricklaying.

†Market Harborough R.D.C.—Architectural Assistant (Temp.).

*Mitcham T.C.—Assistant Architect.

†Norfolk E.C.—Two Senior Architectural Assistants.

†North Riding C.C.—Architectural Assistant.

†Salop C.C.—(a) Assistant Architect; (b) Assistant Architect; (c) Junior Architectural Assistant; (d) Quantity Surveying Assistant; (e) Engineer; (f) Building Inspector.

*Southampton C.C.—(a) Principal Assistant Architect; (b) Senior Assistant Architects; (c) Assistant Architects; (d) Assistant Architects; (e) Architectural Assistants; (f) Assistant Quantity Surveyor; (g) Heating Engineer.

JULY 10.

*Chatham T.C.—Architectural Assistant.

*Deptford B.C.—2nd Class Engineering Assistant.

*Dewsbury C.B.—Architectural Assistant.

†Mansfield T.C.—Assistant Building Inspector.

*Solihull U.D.C.—(a) Senior Engineering Assistant; (b) Architectural Assistant.

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FIRMBACK WORKS ANDREWS ROAD CAMBRIDGE HEATH LONDON E.8

*Whiston R.D.C.—(a) Senior Planning Assistant; (b) Assistant Building Surveyor.

JULY 11.

*Isle of Wight E.C.—Master to teach Building Subjects and Building Drawing.

*Surrey C.C.—Clerk of Works.

†West Bromwich C.B.—Assistant Building Surveyor.

JULY 12.

*Bootle C.B.—Highways Foreman.

*Manchester T.C.—Senior Heating, Ventilating and Mechanical Engineer.

*Oxford T.C.—(1) Senior Town Planning Assistant; (2) 2 Senior Engineering Assistants; (3) Engineering Assistant; (4) Building Inspector.

†Portsmouth T.C.—(a) 2 Senior Planning Assistants; (b) 2 Planning Assistants.

*St. Pancras B.C.—Building and Surveying Assistant (Temp.).

JULY 13.

*Eccles T.C.—(a) Engineering Assistant; (b) Architectural Assistant (Temp.).

*Halesowen T.C.—Architectural Assistant.

*Kent C.C.—Four Assistant Architects.

*Walthamstow T.C.—Planning Assistant.

JULY 15.

*Bolton C.B.—Two Architectural Assistants.

*Chesterfield T.C. — Senior Architectural Assistant.

*Eastbourne C.B.—Deputy Boro' Architect.

*Gateshead C.B.—(1) 3 Quantity Surveyors; (2) 2 Junior Architectural Assistants; (3) Clerk of Works; (4) Male Clerk.

*Wolverhampton C.B. — Building Works Manager.

JULY 16.

*Bath T.C.—Clerk of Works (Temp.).

*Chelmsford T.C.—(a) Building Inspector; (b) Clerks of Works.

*Lewes T.C.—Building Inspector (Temp.).

*Twickenham T.C.—Senior Planning Assistant.

JULY 17.

†Dartford T.C.—(1) Junior Architectural Assistant; (2) Assistant Building Inspector.

*Esher U.D.C.—(a) Senior Engineering Assistant; (b) General Engineering Assistant; (c) Quantity Surveyor; (d) Architectural Assistant.

*Mansfield T.C. — Third Architectural Assistant.

JULY 19.

*East Ham E.C.—Full-time Teacher of Plumbing.

*Portsmouth T.C.—(a) Assistant Architects; (b) Assistant Architects; (c) Assistant Architects; (d) Junior Assistant Architects; (e) Assistant Quantity Surveyors; (f) Assistant Quantity Surveyors; (g) Junior Assistant Quantity Surveyors.

JULY 20.

*L.C.C.—Three full-time peripatetic teachers for building trade courses: (a) Brickwork; (b) Carpentry and Joinery; (c) Plumbing.

*Poplar B.C.—Principal Assistant Architect.

*Weston-super-Mare T.C.—(1) Senior Engineering Assistant; (2) Temp. Architectural Assistant.

JULY 22.

*Brighton Technical College.—Lecturer in Architectural and Building Subjects.

*Coventry T.C.—(a) Heating and Ventilating Engineer; (b) Assistant Heating and Ventilating Engineer.

*Gillingham T.C.—Senior Technical Assistant.

*Surbiton T.C.—Building Inspector.

*West Suffolk C.C.—Buildings Inspector.

JULY 25.

†Breconshire C.C.—(1) Junior Assistant Architect; (2) 2 Assistant Architects; (3) Assistant Quantity Surveyor; (4) Land Surveyor.

JULY 27.

*Dundee Technical College.—Lecturer in Building.

*Edmonton T.C.—Quantity Surveyor.

JULY 31.

*Heriot-Watt College, Edinburgh.—Lecturer in Building.

*Lambeth B.C.—Assistant Surveyor.

NO DATE.

*Edinburgh (M.O.W.).—Architectural Assistants.

*London County Council.—(a) Temporary Planning Officers; (b) Temporary Technical Assistants.

*L.C.C.—(1) Quantity Surveyors and Assistants (Senior and Junior); (2) Architects, Building Surveyors, Technical Assistants (Architectural) and Junior Drawing Office Assistants; (3) Heating Engineers and Heating and Ventilating Assistants.

*L.C.C.—Panel of Lecturers at Brixton School of Building.

*Wolverhampton and Staffs Technical College.—Assistant in Building Dept.

GENERAL BUILDING WORK

(LONDON)

Ealing.—Houses.—Lay-out plans by B.S. for 236 temporary bungalows at Islip Manor-rd., and 146 houses at Bridge Farm estate, have been approved by T.C.

Ealing.—Factory.—E. H. Firmin, architect, 111, Park-st., W.1, has prepared plans for factory building for W. Phillips, at Walmgate-rd. Plans approved.

Hampstead.—Flats.—B.C. appointed Douglas and J. D. Wood, 1, Burlington-st., W.1, architects, for King Henry's-rd. housing scheme.

Islington.—Flats.—Housing Committee recommend acquisition of Salterton-rd. site for the erection of 82 flats or maisonettes. It is proposed to appoint Mr. Harry Monson, F.R.I.B.A., 120, Moorgate, E.C.2, as architect for the scheme and Mr. O. Parratt, F.S.I., Adelaide House, King William-st., E.C.4, as quantity surveyor.

(PROVINCIAL)

Ashton-under-Lyne.—T.C. approved: Alterations to works at Margaret-st., for W. & H. Buckley; alterations to works at Park-st. for H. Broadbent & Sons; alterations to works at Stockport-rd. for Refrigeration Services, Ltd.

Bangor.—Caerns. E.C. propose conversion of Treborth Hall for residential school for subnormal children.

Batley.—T.C. propose 50 "B.I.S.F." houses; approved 7 permanent houses at Carlinghow site, at £72,500.

Birmingham.—T.C. propose extensions to Salterley Grange Sanatorium and West Hill and West Heath Sanatoria.

Blackburn.—T.C. propose central 'bus garage.

Blyth.—Morphy-Richards, Ltd., electrical engineers, seeking site for factory.

Bolton.—T.C. approved: Additions at Maco Mill, Wigan-rd., for Merton Spinning Co., Ltd.; additions to works at Gasnell-st., for Lord, Hampson & Lord, Ltd.; extensions to works at Salterfield, for J. Hamilton.

Brighouse.—T.C. approved: Extensions at Woodhouse works for J. Blakeborough & Sons, Ltd.; alterations and extensions at works, Hipperholme, for Hipprum Wires, Ltd.

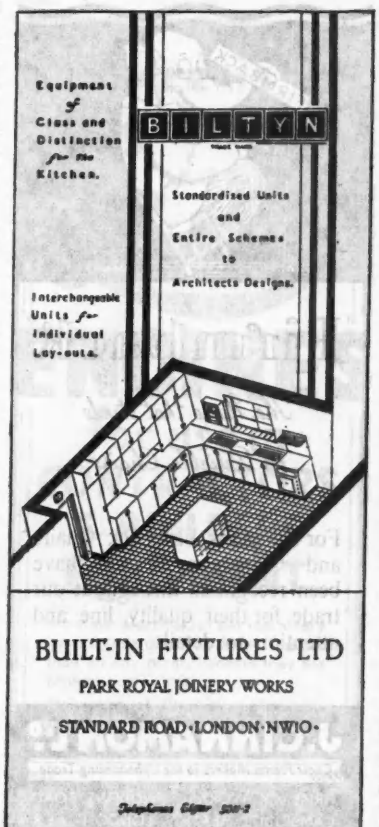
Caernarvon.—Dowsett Engineering Co., Ltd., propose conversion of buildings for works.

Chadderton.—U.D.C. approved canteen and office extensions at Fernhurst Mill for Fernhurst Mill Co., Ltd.

Darlington.—T.C. propose further 303 houses at Nickstream-la., Cockerton.

Darlington.—T.C. to erect 102 houses at Tennyson estate. Plans by B.S.

Droitwich.—T.C. approved factory at Town Wharf for Tank Linings, Ltd.



Dudley.—T.C. approved sports stadium, at Dudley Wood for J. Sidaway, 174, High-st., Cradley Heath.

Dunston-on-Tyne.—Extensions to be made to factory of Danish Bacon Co., Ltd. Plans by Cackett, Burns Dick & McKellar, Ellison-pl., Newcastle.

Eccles.—T.C. approved two-storey works at Bright-rd., for Stronach & Co., Ltd.; extensions to laboratory at Salters-la. for Lankron Chemicals, Ltd.; Electroplating works at Liverpool-rd., Patricroft, for Devonshire Tool Services, Ltd., New-la., Winton; steel-framed building at Crown Oil Works, Worsley-rd., for Garth & Brown, Ltd.

Failsworth.—U.D.C. to develop 41 acres of land at Holt-la., for housing.

Gateshead.—Tyneside Watch Manufacturing Co., Ltd., propose extensions to two factories at North Eastern Trading estate. Plans by Cackett, Burns Dick & McKellar, Ellison-pl., Newcastle.—Medical Supplies, Ltd., to erect factory at North Eastern Trading estates. Plans by C. C. Spence, Low Fell, Gateshead.—W. & T. R. Milburn, 17, Fawcett-st., Sunderland, are achitects for factory at North Eastern Trading Estate, for E. H. Frew, Ltd.

Hull.—T.C. to erect permanent office block on Ferensway, to cost £40,000. Plans by A. Rankine, City A.

Lancashire.—C.C. propose hostels for aged persons at Standish, Worthington, Milnrow, Heywood and Eccles.

Macclesfield.—Town Football Club members propose offices and stands at Moss Rose Football ground. Plans by R. A. Riseley, 313, Oxford-rd.

Macclesfield.—T.C. approved extensions at Hurdsfield Mills, for Brocklehurst-Whiston Amalgamated, Ltd.

Manchester.—T.C. approved: Extensions to factory at Carnarvon-st. and Bright-st., Cheetham, for Jas. Miller (Food Products), Ltd., A. Purvis, architect, 1, Cooper-st.: additions to works at Gibbon-st., Bradford, for Richard Johnson & Nephew, Ltd.; factory at Julia-st. and Briddon-st., Strangeways, for J. Lang & Co., L. D. Clegg (L.), architect, 5, Queen-st., Oldham; extensions at High School for Girls, Central-rd., Withington, J. W. Beaumont & Sons (FF.), architects, Danlee-bldgs., 53, Spring-gdns.; shops and flats at Oldham-rd., Newton Heath, for W. Johnson & Sons, architects, 27, Oldham-rd., Miles Platting.

Middlesbrough.—Dickson & Benson, Ltd., to proceed with rebuilding of stores as soon as possible. The architect is T. A. Crawford, Borough-rd., Middlesbrough.

Newcastle-on-Tyne.—Extensions to be made to City Confectionery Works, Barrack-rd. Plans by Tasker & Child, Trinity-bldgs., New Bridge-st., Newcastle.

Newcastle-on-Tyne.—T.C. approved plans by Hetherington & Wilson, County-chbrs., Westgate-rd., Newcastle, for block of flats at Laycock estate, Benton Park-rd.

Newcastle, Staffs.—T.C. propose 84 permanent houses and 40 "B.I.S.F." steel houses at Machin and Denry-cres., Bradwell estate. 50 permanent houses—scheme 1—Wolstanton-rd., Chesterton.

Northampton.—Gilbert Cole, Ltd., 14, Market-sq., propose 200 houses and 12 shops at Weston Favell.—General Hospital Board of Governors propose extensions, at £250,000.

Oldham.—T.C. propose 160 houses at Moorside.

Preston.—E.C. propose kitchen and dining-room at Grammar school.—Lancashire E.C. propose adaptation of buildings at Bamber Bridge as training college.

Sunderland.—T.C. seeking permission to extend General Hospital, at £72,000.—T.C. proposes acquiring 196 acres of land west of Marley Potts estate for housing.—Adams & Gibbons, Ltd., motor engineers, to carry out alterations at Paley-st. Plans by Newrick & Blackbell, 24, John-st., Sunderland.—Plans approved for printing and embossing factory at Nile-st., for Embossers, Ltd. Matkin & Hawkins, Barclay's-chbrs., Fawcett-st., Sunderland, architects.

West Hartlepool.—Plans submitted by Bell & Bell, architects, Whitby-st., West Hartlepool, for factory near Powlett-rd., for North-Eastern Trading Estates, Ltd., Gateshead, have been approved.

TENDERS

* Denotes *accepted.*
† Denotes *provisionally accepted.*
‡ Denotes *recommended for acceptance.*
§ Denotes *accepted subject to modification.*
¶ Denotes *accepted by H.M. Government Departments.*

Arundel.—38 houses at Green-la. site, for T.C.: *W. Stirland, Birdham, Chichester, Sussex, £47,326.

Ashton-under-Lyne.—44 houses at Nook-la. and Kenworthy-av., for T.C.: *Alan Deane, Audenshaw, Manchester, £56,380, estimated cost (subject to M.H. approval).

Barnes.—Construction of four blocks of temporary single-storied offices and caretaker's bungalow at Hampton-sq., Mortlake, for T.C. W. R. Shepherd, A.M.Inst.C.E., B.E. & S.:

*Walter Few & Sons, Ltd., 17, Highbury Park, London, N.5, £22,411.

Battersea.—Repairs to four flats at Eaton House, for B.C.: ‡Works Dept., £5,188 (subject to U.D.C. approval).

Bedford.—Switch-house and control room at generating station, for T.C.: Walter Llewellyn & Sons, Ltd., Eastbourne, £18,563 (subject to M.H. approval).

Bideford.—Erection of houses on the Barton site, for T.C.: *J. Dennis & Son, Knowle, Braunton, £8,757 (subject to M.H. approval).

Billingham-on-Tees.—76 houses at Billingham Junction, for U.D.C. Kitching & Co., architects, 40, Albert-rd., Middlesbrough: *Stephen Coates, Ltd., Middlesbrough, £83,164.

Blackpool.—16 houses and four flats at Grange Park estate, for T.C. A. Hamilton, B.E.: *H. Joyce & Sons, Ltd., Martins Bank-chbrs., Clifton-st., Blackpool.

Bollington.—84 houses at Bollington Cross, for U.D.C.: *H. Bamford, Ltd., Fairfield-av., Bollington, £93,407 (recommended in lieu of tender of Macclesfield & District Building Trades Employers' Association (not approved by M.H.)).

Bromborough.—Maternity Block at Clatterbridge (County) General Hospital, for Cheshire C.C. E. M. Parkes (F.), County A., The Castle, Chester: *Lloyd & Cross, Ltd., 68, Argyle-st., Birkenhead, £6,766.

Chesterfield.—150 foamed-slag houses off Mill-la. and West Hill-la., Grassmoor, for R.D.C. J. B. Wikeley, S.: *W. Lee, Ltd., Wilkin House, Upper Town, Ashover, Chesterfield, £165,000.

Chingford.—121 houses, four pairs of maisonettes and 10 bungalows at Ropers Fields estate, for T.C.: *Anglo-Scottish Construction Co., Ltd., Wimbledon, S.W.19.

Daventry.—52 houses at Braunston estate, for T.C. Frank A. Coles, architect, Market-pl., Long Buckby, nr. Rugby: *Bosworth & Wakeford, Ltd., New-st., Daventry, £62,449.

Denby Dale.—42 houses for U.D.C. Simpson & Moxon, architects, Southgate-chbrs., Wakefield. 18 at Sunnymead, Scissett: *B. Beever & Sons, Ltd., Ingbirchworth, £23,953; 24 at Lower Cumberworth: *T. Hollingworth & Sons, Rowgate, Cumberworth, £30,246.

Dornoch.—Work in various trades for 22 houses at Bishopfield, for T.C. E. W. Branten (L.), Dornoch, Sutherland. Mason work: *J. Sutherland, The Meadows, Dornoch, £9,279; carpenter: *A. McAughtrie & Son, Bonar Bridge, £6,506; plumber: *A. Thomson & Son, Church-st., Dornoch, £2,316; plaster: *A. Maclean & Son, Church-st., Dornoch, £2,565; slater: *James Gray & Son, 94, Academy-st., Inverness, £3,547; painter: *Andrew Innes, Wallace-st., Dornoch, £914; glazier: *Andrew Innes, Wallace-st., Dornoch, £136; electrical: *J. & F. Lewis, Ltd., 166, Whalley Range, Manchester, £637; boundary fencing: *D. Mackenzie, Portgower, Helmsdale, £474; roads, paths, footpaths: *Alex. Sutherland, Duke-st., Golspie, £1,525; sewer & water mains: *Alex. Sutherland, Duke-st., Golspie, £1,252.

Ealing.—100 houses at Northolt estate, for T.C.: *T. F. Nash (Construction), Ltd., £113,318 (subject to consents).—10 houses at Colwyn-av., Perivale, for T.C.: *G. Ward (Ealing), Ltd., £11,277 (subject to sanctions).

Farnborough.—100 "No-fines" houses at Hawley-la. site, for U.D.C. G. Wimpey & Co., Ltd., £120,667 (revised tender).

Gateshead.—Erection of mill for J. Rank, Ltd. Superstructure: *William Thornton & Sons, Ltd., Liverpool; steelwork: *S. Butler & Co., Ltd., Leeds.

Hastings.—50 houses at Rocks-la. site, for T.C.: *Kingmer Building Works, Ltd., The Broyle, Ringmer, £65,141 (including certain site works).

Heston and Isleworth.—100 "B.I.S.F." houses, for T.C.: *Taylor Woodrow Construction, Ltd., Ruislip-rd., Southall.

Higham Ferrers.—34 houses at High-st. estate, scheme 1, for T.C. J. W. Lloyd: *M. M. Drabble, Ltd., College-st., Rushden, £41,135.

Holsworthy.—Five pairs of houses at Pins Park, for U.D.C. Orphoot, Whiting & Co., Bideford, architects: *J. E. Stacey, Bodmin-st., Holsworthy, £12,315. Paths, fencing, £423.

Hornsea.—84 houses, outbuildings, paths, drainage, etc., off Rowlston-rd., for U.D.C. Blackmore & Sykes (L.), Ruskin House, 141, Princes-av., Hull: *Scruton, Stanton & Co., Ltd., 79, Leonard-st., Hull, £106,683.

Hull.—Works for T.C. A. Rankine (A.), City A., Guildhall. 200 "B.I.S.F." houses: *Henry Boot & Son, Ltd., Banner Cross Hall, Ecclesall-rd., Sheffield; rebuilding 58 houses, East Hull site: *Tarran Industries, Ltd., Clough-rd., Hull, £53,175; 38 houses at Forsdyke-av.: *H. Rawlinson, Ltd., Park House, Westfield Park, Cottingham, Hull.

Jarrow.—Factory for Thermo-Tank Co., Ltd.: *W. Wigham & Son, 29, Shepherd-ter., Hylton, Sunderland.

L.C.C.—Contracts exceeding £2,500 in value placed by L.C.C. during the period ended June 19:—Interior decorations at, and renovation of, Highbury County School, Islington, Sykes & Son, Ltd., 10, Essex-st., Strand, W.C.2; wiring and fittings for electric lighting, etc., in various blocks of dwellings at Clapham Park and Poynders-gdns. estates: Buchanan & Curwen, Ltd., 66, Victoria-st., S.W.1; block 1 of dwellings at Crossfield housing estate (Frankham-st. area), Deptford: M. J. Gleeson, Ltd., Haredon House, London-rd., North Cheam, Surrey.

Liverpool.—Offices and warehouses for Mosers, Ltd., at Netherton, Liverpool. F. Boreham, Son & Wallace, Victoria House, Southampton-row, London, W.C.1, architects:—

Sir Lindsay Parkinson & Co.	£52,986
George Parker & Sons, London	52,965
C. Musker Bros., Ltd., Manchester ...	52,125
R. Costain & Sons, Ltd., Liverpool ...	52,060
Morrison & Sons, Ltd., Liverpool ...	50,744
‡William Moss & Sons, Ltd., Liverpool	49,999

Llanrwst.—12 houses at Llangernieu, Pentre Volas and Cerrig-y-Druidion, for R.D.C. Griffith Evans, S.: *W. James & Son, Llanrwst, Denbigh, £13,304.

¶**London (Air Ministry).**—Contracts to the value of £500 or over for week ended June 22:—*General maintenance works*: Bosworth & Wakeford, Ltd., Daventry, Northants; T. H. Kingerlee & Sons, Ltd., Oxford; H. Dorrington & Sons, Gainsborough. *Heating installation*: G. N. Haden & Sons, Ltd., London, W.C.1. *Painting work*: G. Jones & Son, Liverpool 6. *Civil engineering work*: John Laing & Sons, Ltd., London, N.W.7. *Electrical work*: E. Dyne & Co., Ltd., London, S.E.6. *Repairs to transit sheds*: N. S. Beliman & Co., Ltd., London, S.W.1.

¶**London (M.O.W.).**—Contracts placed by M.O.W. during week ending June 13:—*London*: West Ham, Ashburton school, Temp. school building, McLaughlin & Harvey, Ltd., 24, Highbury-gr., N.5. Lewisham, Dacres-rd., Additional site work and Temp. houses, Henry Kent (Builders), Ltd., 51, Beacon-rd., Hither Green, S.E.13. Highgate, Parliament Hill school, Kitchen and dining-room, Stuart & Sons, 24, Highbury-pl., N.5. Kensington, Victoria and Albert Museum, Lavatory block, Lemaire Bros., Ltd., 70, High-st., Bushey, Herts: Kitchen, Lemaire Bros., Ltd., 70, High-st., Bushey, Herts. *Angus*: Dundee, Erection of B.T.T.C., Speirs, Ltd., 257, West George-st., Glasgow. *Dumfriesshire*: Templand and Hightoe, Site work and Seco houses, J. McWells, 28, Barrad, Lochmaben. *Glamorgan*: Swansea, Oystermouth, Temp. school buildings, Griffith Davies & Co., Ltd., Paxton-yard, Swansea. *Lanarkshire*: Coatbridge, Standard factory, Railway marshalling yard, Hugh Leggat, Ltd., 9, Gladstone-av., Barrhead, Glasgow. *Lancs*: St. Helens, Pars Flat school, Temp. buildings, Arthur McColl & Sons, Cambridge-st., St. Helens. Irlam U.D.C. 1, Site work and Tarran houses, E. B. Jones & Rawlinson, Ltd., 6, Leaf-sq., Salford. Oldham C.B. 3, Foundation and site work, Aluminium houses, Edwin Marshall & Sons (1945), Ltd., Shawford Saw Mills, Cockbrook, Ashton-under-Lyne. *Monmouthshire*: Abersychan, Temp. school buildings, R. Meara & Co., Abersychan.

Montgomeryshire: Llanfyllin County school, Temp. buildings, J. Dean & Co., Llanfyllin. *Northants*: Higham Ferrars, B.C.1, Site work and Tarran houses, A. J. Potter & Sons, Ltd., Stanwick, Wellingborough. *Rosshire*: Tain, Site work and Arcon houses, Hendry & Keith, 21, Gilcomston Park, Aberdeen. *Staffs*: Bloxwich, school, Kitchen and dining-room, Wm. Cooper & Son (Builders), Ltd., 1, West-st., Blackheath, Birmingham. Walsall, Blakenhall Heath school, Leamore, Kitchen, East Midland Construction Co., Lower Green, Tipton. *Stirlingshire*: Lennoxtown, Site work and Foundation, Aluminium houses, James Rae & Sons (Builders), Ltd., 44, Main-st., Lennoxtown. *Surrey*: Esher U.D.C., Con. 3, Additional site work and Temp. houses, G. E. Wallis & Sons, Ltd., 231, Strand, W.C.2. Esher U.D.C., Con. 2, Additional site work and Arcon houses, G. E. Wallis & Sons, Ltd., 231, Strand, W.C.2. *Wilts*: Swindon B.C. 1a, Sites for Temp. houses, W. E. Chivers & Sons, Ltd., Devizes. *Yorks*: Cudworth U.D.C.1, Site work and Temp. houses, V. Dunk, Ltd., Summer-la., Barnsley.

London (War Dept.).—Works contracts placed by War Dept. for week ended June 15.—*Durham* Miscellaneous work, Haverys (Contractors), Newcastle-on-Tyne. *Yorks*: Miscellaneous work, Haverys (Contractors), Newcastle-on-Tyne. *Northamptonshire*: Miscellaneous work, H. P. Kirkby and Son, Ltd., Peterborough. *Warwickshire*: Miscellaneous work, E. Harris and Son (Coventry), Ltd., Coventry. *Wilts.*: Miscellaneous work, Clarke Bros., Swindon.

Macclesfield.—Six houses at Butley-la., Prestbury, for R.D.C. J. H. Walters (F.), E. & architect, Moody-chbrs., 19, Moody-st., Congleton: *Taylor Hulme, Woodlands Farm, Offerton-la., Stockport, £5,946.

Manchester.—Works for T.C.: L. C. Howitt (F.), Acting City A. Garage and cycle pound, police headquarters at Jackson's-row: *Normanton's, Ltd., 165, Plymouth-gr., Chorlton-upon-Medlock, Manchester 13 (in lieu of tender previously accepted); rebuilding four houses at Platt-la. and conversion of 160a, Withington-rd., Whalley Range, into two flats, for Housing Committee. J. Hughes (F.), Director of Housing: *Direct Labour Dept., Manchester Corporation.

Marple.—26 houses and four maisonettes at Willow Farm, for U.D.C. A. E. Challis, M.Inst.M.&Cy.E., E. & S. Quantities by H. Tinker: *E. D. Maddocks, Ltd., Regent-rd., Heaviley, Stockport, £33,490.

Martley.—14 houses at three sites, for R.D.C.: *J. Wood & Sons (Worcester), Ltd., The Butts, Worcester.

Middlesbrough.—18 houses at Mandale-rd. T. Crawford, Borough-rd., Middlesbrough, architect: *E. T. Sweeting & Son, Ltd., Church-la., Acklam, Middlesbrough.

Milnrow.—116 houses at Newhey, for U.D.C.: *R. & T. Howarth, Crossfield Works, Rochdale (subject to M.H. approval).

Mirfield.—34 houses at Kitson Hill-rd., for U.D.C. H. L. Trees, S. Bricklayer: *C. Smith, 519, Leeds-rd.; carpenter & joiner: *J. W. Thornton, George-st.; plumber: *A. Scott, 34, Wakefield-rd.; plasterer: *G. Parker, Great Horton-rd., Bradford.

Newark.—78 houses, for R.D.C. E. Oakden, S. 60 at Balderton, Elston, Farndon, Coddington, Syerston and East Stoke: *Ernest Coleman, Ltd., 20, Diamond-av., East Kirkby, Notts, £72,630; six at Harley: *R. R. Turner, Skellingthorpe, £7,348; 12 at Collingham: *C. V. Russell & Sons, South Collingham, £13,710.

Newcastle-on-Tyne.—Four houses at Rudchester-pl.: *A. Reynolds & Co., Cottenham-st., Newcastle; alterations for factory at Scotswood-rd. and Blenheim-st., for Martin Lyon: *F. J. Hepple, Dunn-st., Newcastle-on-Tyne; painting of houses for City Council. 244 at Blakelaw estate: *M. Alexander & Son, Haymarket, Newcastle; 236 at Blakelaw estate, and further batch of 165 houses on same estate: *John A. Coates, Highfield-rd., Westerhope; 170 at Two Ball Lonnen: *Merrilees & Denton, Ltd., High West-st., Gateshead; 146 at Walker estate: *J. Ridley & Co., Ltd., Balmoral-st., Wallsend; 359 at Pottery Bank, and 224 at Walker estate: *A. Robertson & Son, Leazes Park-rd., Newcastle (total cost, £11,357).

Newport Pagnell.—Houses for R.D.C. T. Casstles, S. Eight at Olney and four at Sherington: *W. T. Revitt, Olney, Bucks, £12,111; six at Little Brickill: *W. West & Co., Ltd., Emberton, £6,421.

Penistone.—Houses for U.D.C. 14 stone houses at Westfield-av., Thurlstone: *R. H. Beever & Co., Ltd., £19,954; 20 rustic brick houses at Royd-la., Millhouse: *Benjamin Beever & Son, Ltd., £25,510.

Portsmouth.—Works for City Council. Restaurant at Castle Field: *Frank Privett, Ltd., 1b, Devonshire-av., Southsea, £15,380 (subject to M.H. approval); 54 houses and eight bungalows at Westhoughton-la.: *R. J. Tyson, Ltd., Bolton (subject to M.H. approval).

Rainford.—Houses for U.D.C. R. C. Haycock, S.: *P. M. Hayes, Rainford, nr. St. Helens.

Ramsbottom.—96 houses for U.D.C. A. Plunkett, S.: *Bury Builders, Ltd., Bolton-st., Bury.

Rawtenstall.—60 houses at Hall Carr and Park-rd. sites, for T.C. J. H. Pollard, B.S. (18) *Direct Labour Dept.; (42) *Rossendale Building Trades Employers' Association, 33, Haslingden-rd., Rawtenstall.

Riseley.—Conversion of Canada Hall into Training College for Teachers: *W. Moss & Son, Ltd., 4, Roscoe-st., Liverpool 1.

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Rochdale.—174 houses at Newbold estate, for T.C. S. H. Morgan, B.S.: *Bovis (Public Works), Ltd., Stanhope Gate, Mayfair, London, W.1.

Rugby.—100 "B.I.S.F." houses at Overslade estate, for T.C. W. H. Spicer, B.S.: *Geo. Wimpey & Co., Ltd., Hammersmith, London, W.6; 136 houses at Overslade estate: *Plex Building Co., Ltd., £11,743 (10); *Heel Bros., 106, Lawford-rd., £18,743 (16); *E. W. Banbury, £23,606 (26); *J. Parnall & Son, £39,069 (36); *D. Mitchell & Sons, Ltd., Dunsmore-av., Hillmorton, Paddox, £55,130 (48). (All of Rugby.)

Runcorn.—14 houses at Pool Farm estate, for U.D.C. A. B. Cunningham, S.: *Clare & Ryder, 36, Greenway-rd., Runcorn, £16,800.

St. Marylebone.—Erection of 9 blocks of dwellings at Church-st. site, for B.C.: Unit Construction Co., Ltd., £346,803; George Wimpey & Co., Ltd., £332,486; A. Roberts & Co., Ltd., £330,435; Price & Son, Ltd., £329,948; Gilbert Ash, Ltd., £324,519; Dunham Builders, Ltd., £322,947; Foster & Dicksee, Ltd., £319,978; Wm. Moss & Sons, Ltd., £319,164; Dove Bros., Ltd., £318,980; Holland & Hannen & Cubitts, Ltd., £315,257; Harry Neal, Ltd., £315,188; Walter Lawrence Sons, Ltd., £315,000; Higgs & Hill, Ltd., £310,014; ‡Prestige & Co., Ltd., £298,141.

St. Marylebone.—Erection of blocks 7, 8 and 9 at Barrow Hill-rd. site, for B.C.: Dunham Builders, Ltd., £112,734; Stewart & Partners, Ltd., £96,675; Rice & Son, Ltd., £96,376; Harry Neal, Ltd., £94,383; Geo. Wimpey & Co., Ltd., £93,918; W. S. Simms, Sons & Cooke, Ltd., £92,920; C. Miskin & Son, Ltd., £92,052; Higgs & Hill, Ltd., £91,500; Wm. Nicholson & Son (Leeds), Ltd., £90,418; Wm. Moss & Sons, Ltd., £90,090; Marshall, Andrew & Co., Ltd., £89,760; Wilson Lovatt & Sons, Ltd., £88,000; ‡The Demolition & Construction Co., Ltd., £86,404.

St. Pancras.—32 flats at Hampshire-st., for B.C. A. J. Thomas (F.), architect:—

The Unit Construction Co., Ltd. ...	£82,700
C. W. Construction, Ltd.	75,699
Perrys (Ealing), Ltd.	73,270
Stewart & Partners, Ltd.	71,811
J. A. Dumayne & Co., Ltd.	71,271
Truett, & Steel, Ltd.	69,702
Foster & Dicksee, Ltd.	69,541
William Willett, Ltd.	68,793
Thomas & Edge, Ltd.	68,344
W. H. Gaze & Sons, Ltd.	68,232
Richard Costain, Ltd.	67,110
Mattock & Parsons, Ltd.	66,150
Nox, Ltd.	65,800
Tersons, Builders	65,173
F. R. Hipperson & Son, Ltd.	65,120
J. Jarvis & Sons, Ltd.	65,100
Taylor Woodrow Construction, Ltd. ...	64,914
M. J. Gleeson, Ltd.	64,790
F. Troy & Co., Ltd.	63,487
Henderson Building & Joinery Co., Ltd.	55,815
‡Bradshaw Bros. (Contractors), Ltd. ...	55,504

(Fresh list of tenders.)

Sedgley.—96 houses, for U.D.C. W. M. Jones, S.: *Jos. Webb, Ivy House-la., Coseley, Sedgley, Staffs; and *W. Whittingham, Ltd., Powlett-st., Wolverhampton.

Solihull.—(a) 62 houses at Cranmore Boulevard; (b) roads and sewers at Green-la.; (c) road surfacing, kerb laying and surfacing footpath, etc.; (d) surface water sewer at Damson-la., for U.D.C. C. R. Hutchinson, E. & S. (a): *Rexford (Builders), Ltd., Newborough-rd., Shirley Warwicks; (b): *Bosworth & Wakeford, Ltd., New-st., Daventry; (c): *Tarslag, Ltd., Economac House, Wolverhampton; (d): *Greenley Bros., Sedgley-rd., Wolverhampton.

Stanley.—50 houses at Lime Pit-la., for U.D.C. J. Hustwit, A.M.Inst.C.E., E. & S.: *Duncan F. Mann & Sons, Ltd., 33, Dolphin-la., Thorpe, Rothwell, nr. Wakefield, £57,565.

Stockport.—Works for T.C. Wm. F. Gardner, B.E. 42 "B.I.S.F." at Bridge Hall site: *Henry Boot & Son, Ltd., Banner Cross Hall, Ecclesall-rd., Sheffield; 130 brick houses and foundations for 60 "Howard" type houses at Bridge Hall estate: *James Crosby & Sons, Ltd., Carrwood, Hale, Ches, £131,992 and £2,103; decoration of houses in blocks "A," "B," and "C": *Hibbert & Penn, Clwyd-av., Edgeley, £3,331.

Stockton-on-Tees.—10 pairs of houses at Brisbane-gr.: *G. Fordy & Son, Boathouse-la., Stockton-on-Tees.

Stoke-on-Trent.—12 bungalows at Anchor-rd. site, for T.C. A. Burton, City E.: *C. Cornes & Son, Lichfield-st., Hanley, Staffs.

Wallasey.—46 "U.N.O." houses, for T.C. R. F. B. Grundy, B.E.: *Unit Construction Co., Ltd., Bentham-dr., Childwall, Liverpool 16, £51,534; 42 brick houses at Pasture-rd. site: *Wm. Thornton & Sons, Ltd., 38, Wellington-rd., Liverpool, £45,686.

Warrington.—Houses for T.C. J. Y. Hughes, B.S.: *J. R. Ashall, Ltd., Bruche, Manchester-rd., Warrington, and *C. Gornall, P.O. Daresbury, Moore, nr. Warrington.

Wellingborough.—62 "Orlit" houses at Croyland Hall site, for U.D.C. R. Kilby, S.: *E. Brown & Son, Ltd., Castle-st., Wellingborough, £79,791.

West Lancashire.—Houses for R.D.C. R. Rosbotham, S. 16 at Moorfield-la., Scarisbrick, Summerfield-la. and Heathey-la., Halsall, and Carr Moss-la.: *J. & E. Woods, Burscough, Ormskirk, £17,324; 18 at Carr House-la., Ince Blundell: *Sefton Building Co., Ltd., Unity-bldgs., Ormskirk-rd., Aintree, Liverpool 9, £18,942.

Wigan.—Eight Swedish houses, for R.D.C. J. Holding, S.: *James Gaskell, 29, Gautley-rd., Orrell, nr. Wigan, £5,265.

Winsford.—134 houses at Dene estate, for U.D.C. P. Heaton, S. Combined tender: *Exors. of E. Curzon, West Dudley-st.; *J. Finney & Sons, Ltd., St. George's-rd.; *W. E. Noden & Co., Ltd., Grange-la.; *Sargeant Bros., Wharton-rd.; and *Wilson & Harrison (all of Winsford).

Withnell.—Six houses at Oak Tree site, Brinscall, for U.D.C. G. L. Gregson, S.: *W. Brown.

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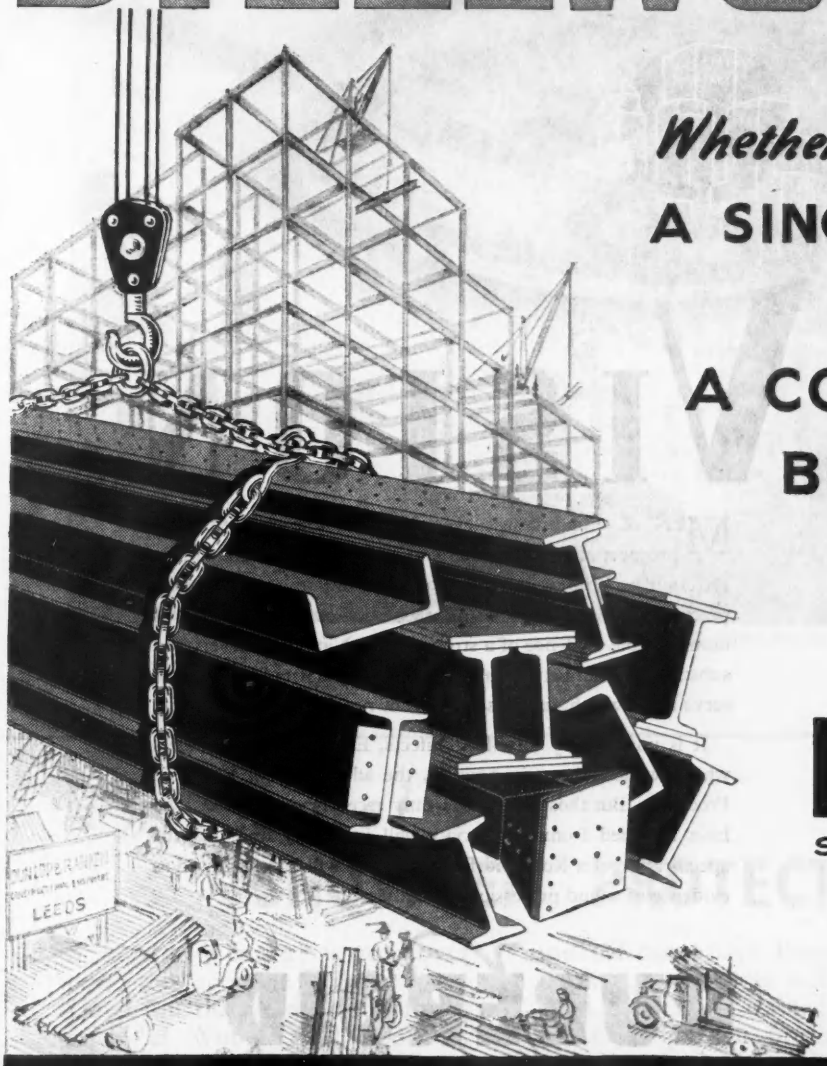

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Sprayed with cream Snowcem over two years ago, the Bedford Arms Hotel, on the Duke of Bedford's estate at Woburn, still looks as attractive as when treated. Since Snowcem was used all signs of internal damp have disappeared. Snowcem *protects* as well as decorates. It can be washed and does not flake, peel or brush off. It pays to give buildings "Snowcem Protection."

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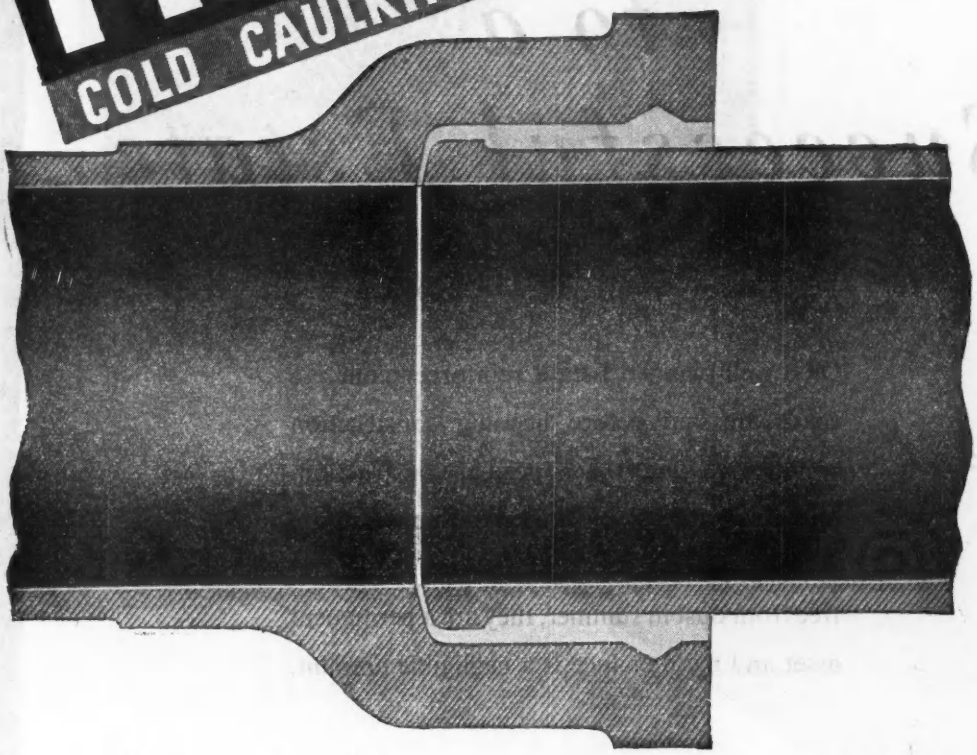

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3. The " Philplug " joint shows an overall saving of at least 30% on labour and materials, and 85% of transport charges.

All that is required for making a " Philplug " joint is a little cold water, standard caulking tools and a hammer.

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" Philplug " is packed in dry form in 1 lb., 7 lb. and 28 lb. tins and if stored dry will keep indefinitely.

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BUILDING SOCIETY

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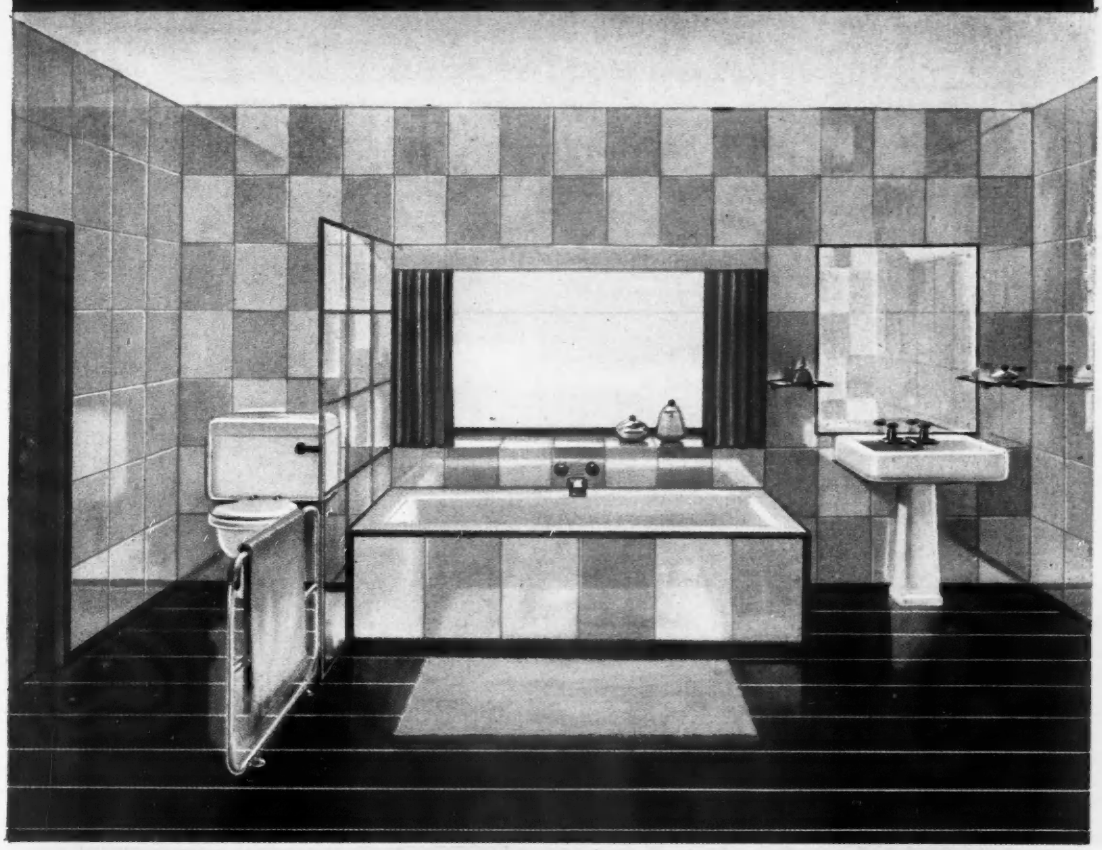
"VITROLITE"



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The surface of " Vitrolite " is unaffected by water, soap, grease, damp, steam, all ordinary stains and acids except hydrofluoric. It is not only decorative, but very hygienic and easily kept clean. " Vitrolite " is particularly suitable for hotels, schools, restaurants, bathrooms, lavatories, operating theatres, hairdressing saloons, kitchens and for corridor linings, shop fronts, facias, counters, bars, table-tops, and for all kinds of display purposes.

The production of " Vitrolite " is being gradually restored. Black and white " Vitrolite " are now available, and a range of colours will be back in the late summer or early autumn of 1946.

" Vitrolite " is manufactured by Pilkington Brothers Limited, of St. Helens, Lancashire, whose Technical Department is always available for consultation regarding the properties and uses of glass in building.

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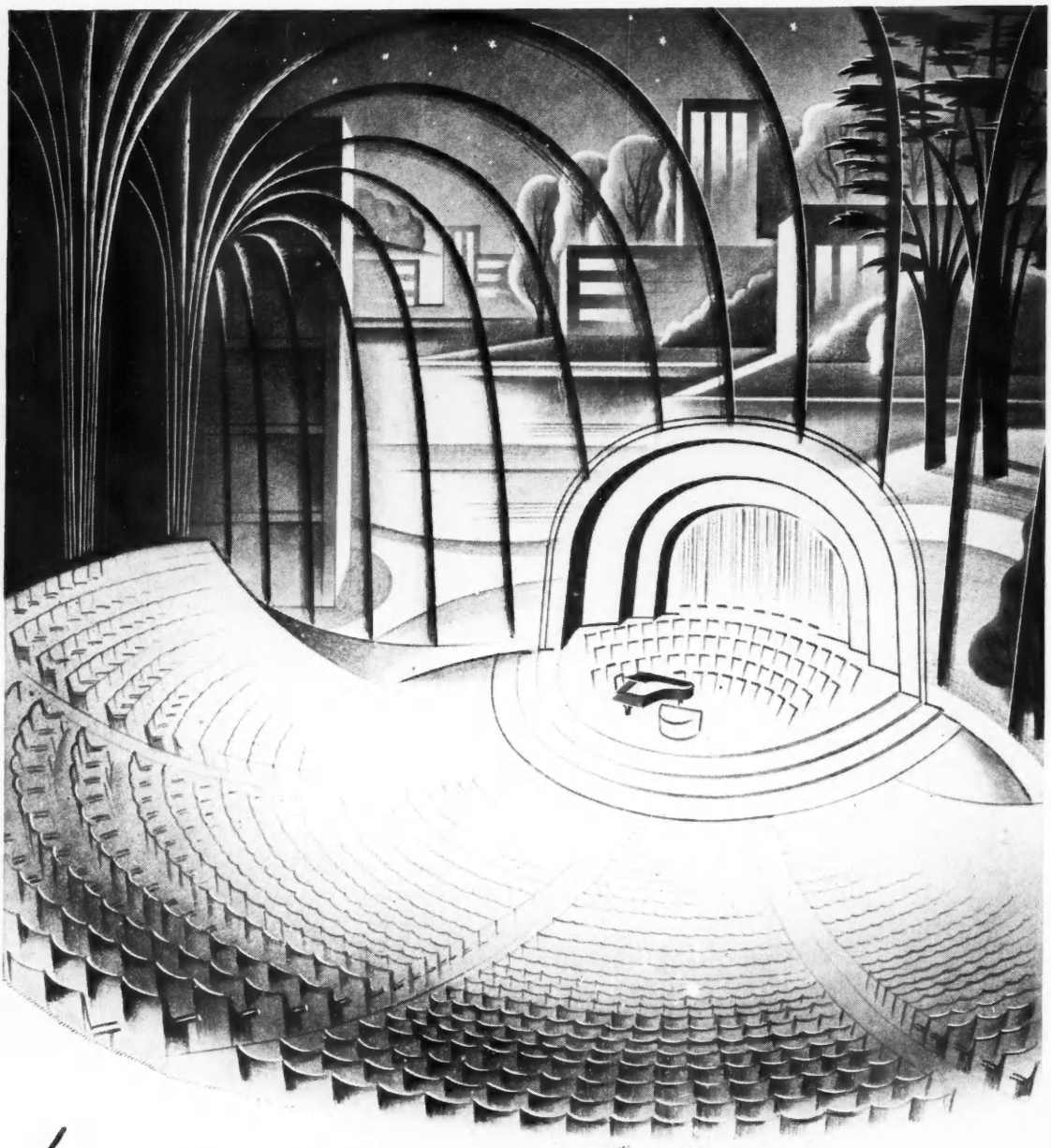
" VITROLITE " is the registered trade mark of Pilkington Brothers Limited.



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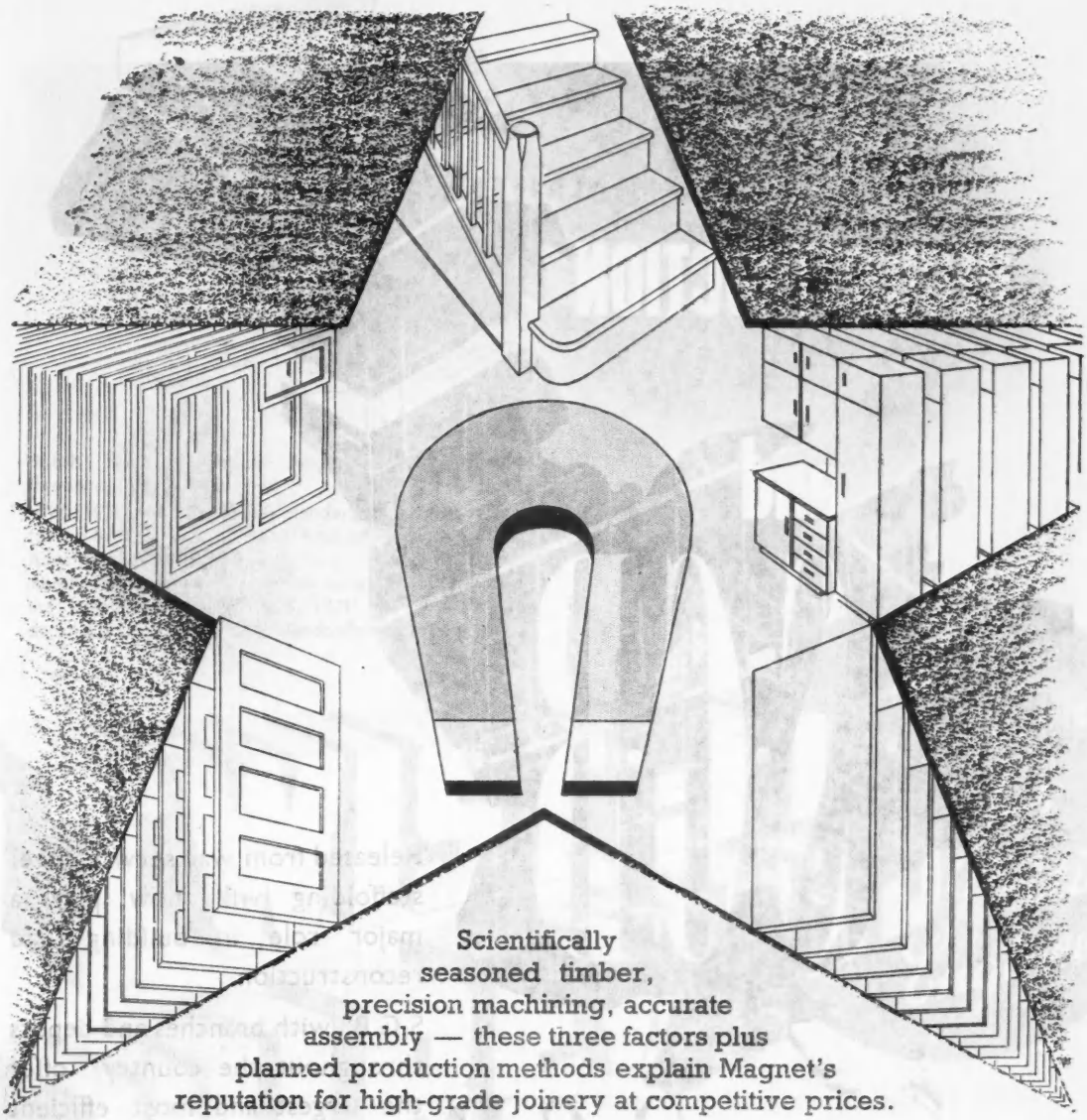

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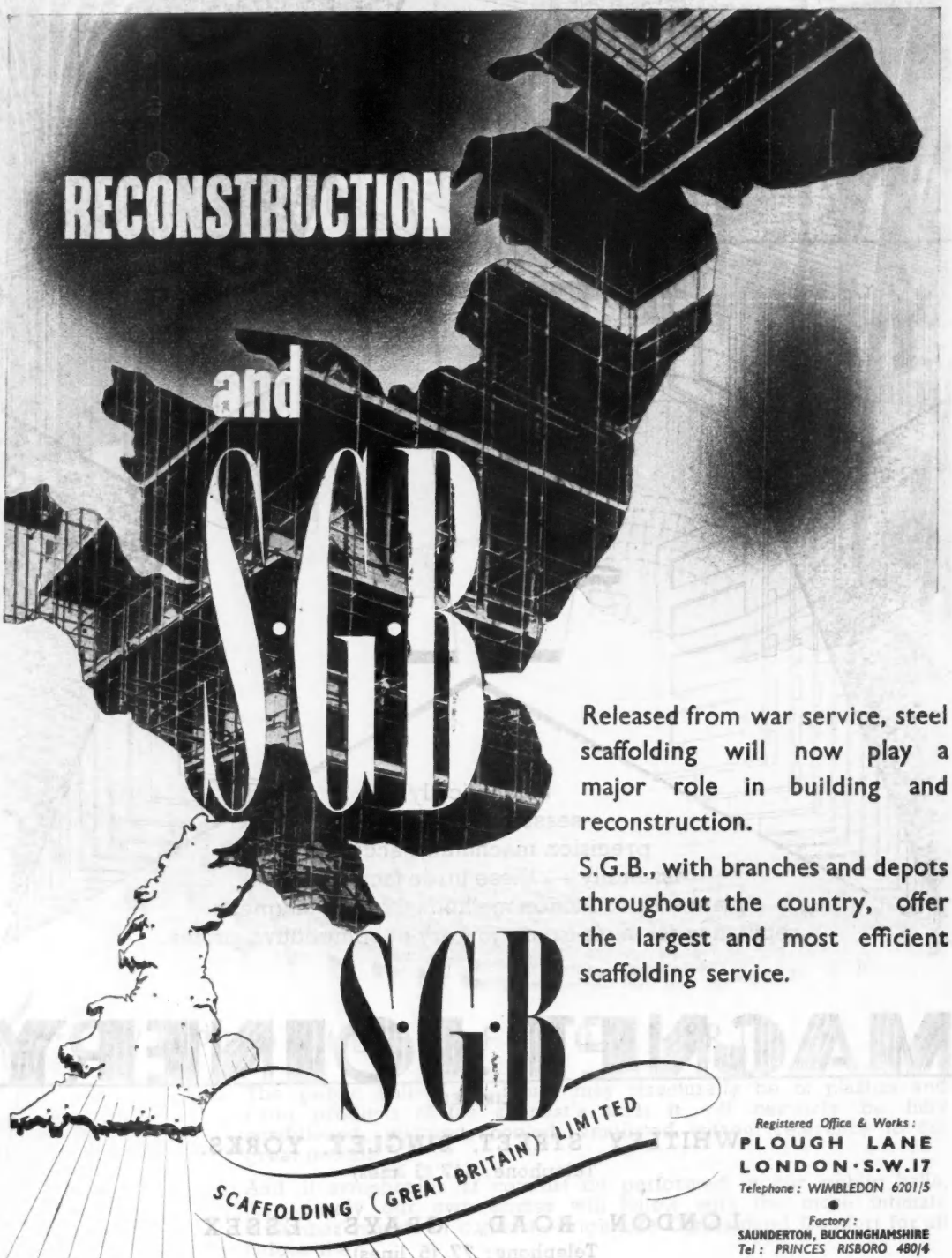

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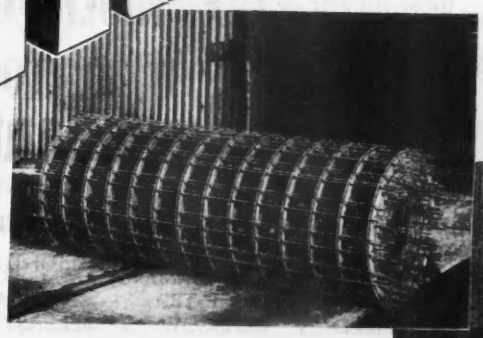

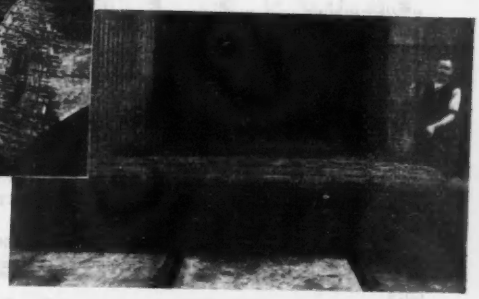

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EJMA windows are designed to let in the daylight. So, in theory, are all windows, but pre-war practice, with its thick mullions, heavy sections and glazing bars, obscured much of the light which could have come through any given opening. Improved design gives a window which looks well, does its job perfectly, and saves a great deal of wood.

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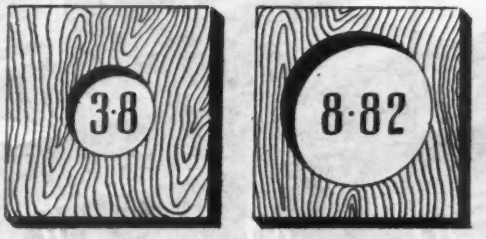
The pre-war window of 18·5 sq. ft. area (B.S.644/1935) admitted 3·8 sq. ft. of daylight for each foot cube of timber. The comparable EJMA window of 18·37 sq. ft. area admits 8·82 sq. ft. of daylight for each foot cube.



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ENGLISH JOINERY MANUFACTURERS ASSOCIATION
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With platform:

One barrow or 5 cwt. platform.
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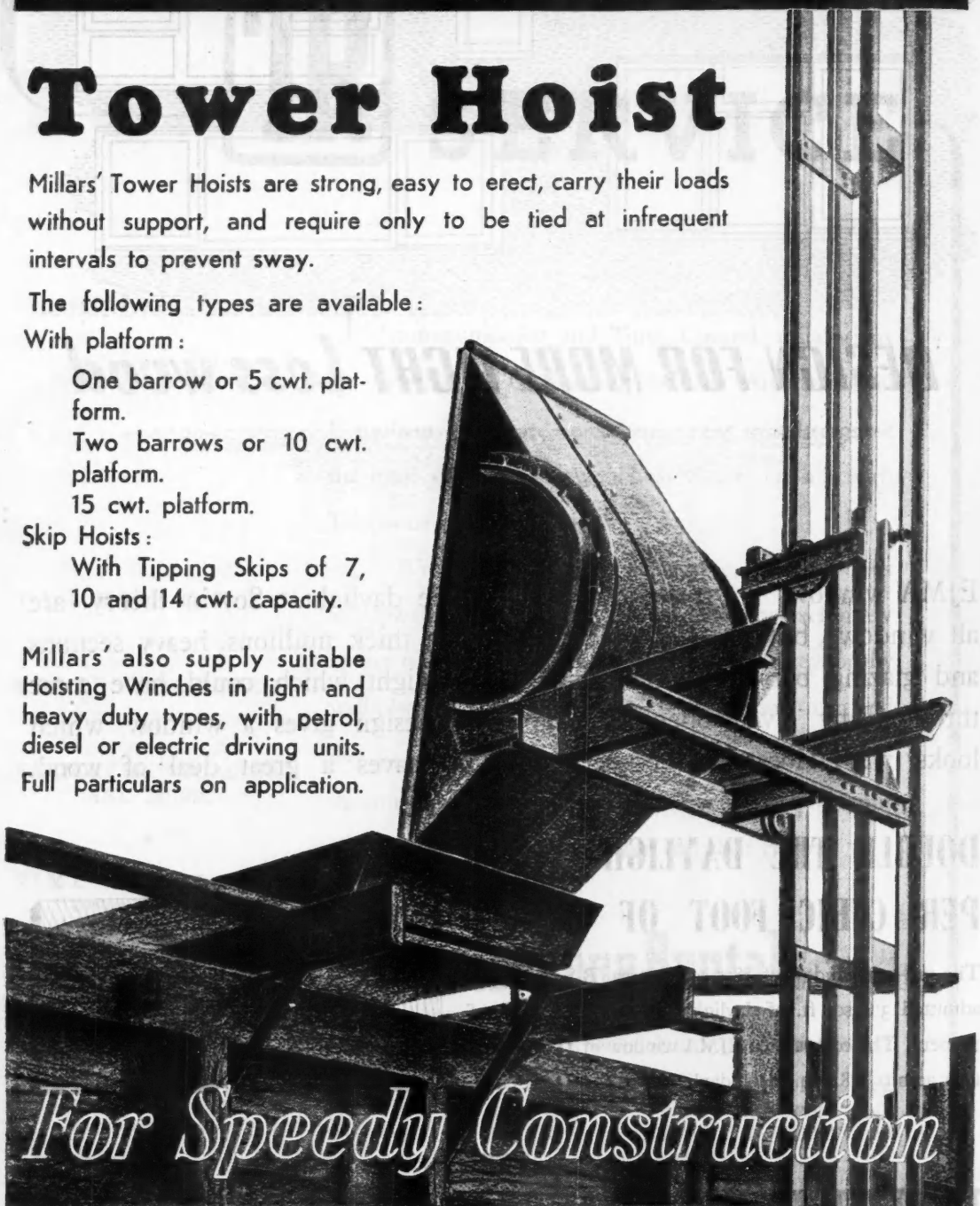
With Tipping Skips of 7, 10 and 14 cwt. capacity.

Millars' also supply suitable Hoisting Winches in light and heavy duty types, with petrol, diesel or electric driving units. Full particulars on application.



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Particulars of 'Purpose-Made' and 'Standard' Metal Windows from

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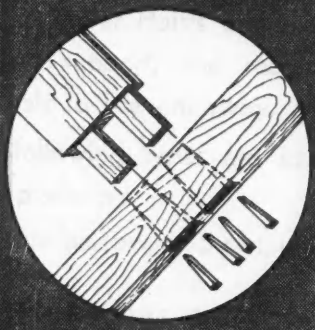
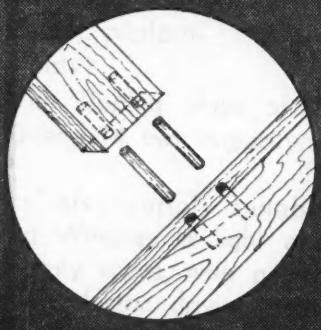


PANELLED DOORS

M. & T. CONSTRUCTION

Illustration shows a mortised, Tenoned and Wedged Joint. It is the time-honoured craftsman's construction.



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Flush doors are two skins stressed over a solid, semi-solid or skeleton frame.

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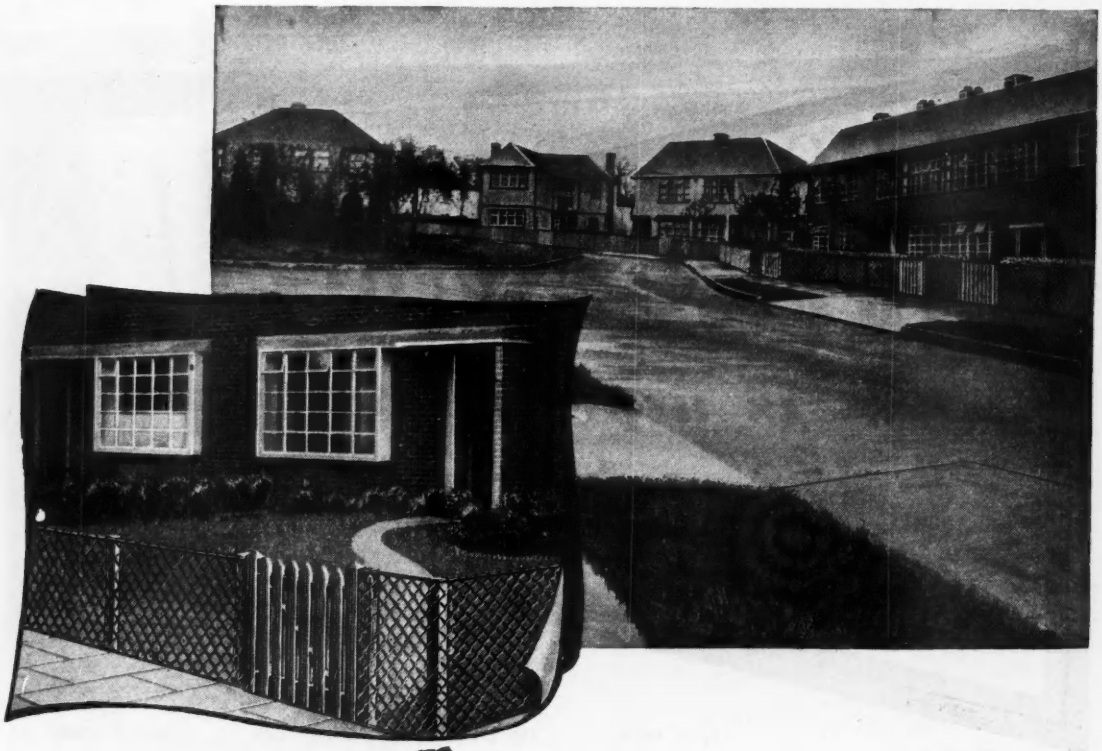

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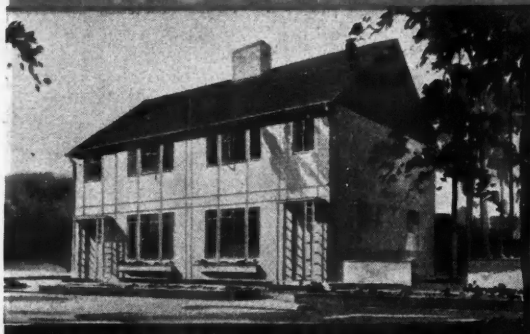

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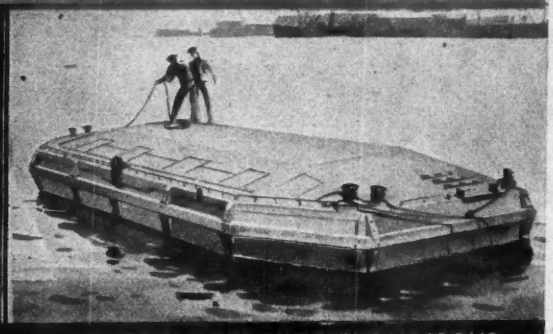
Wates prefabricated permanent houses are constructed with pre-cast concrete units. The system employs a widely distributed, cheap and well understood material and does not require a steel frame. The method is extremely flexible, can be applied to almost any plan for houses or other buildings and is approved by H.M. Government for Local Authority Housing Schemes.



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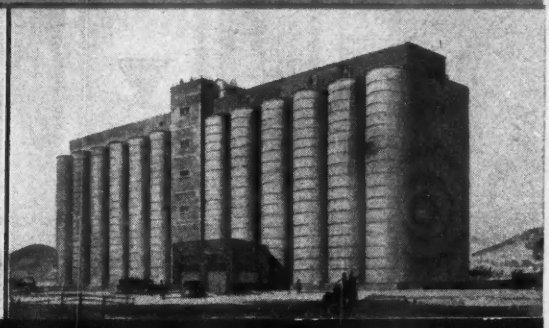

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Two loose shelves and a tray for meat are provided, and these can easily be removed for purposes of cleaning.

The hatch is strongly constructed, the doors being faced with resin-bonded (weatherproof) plywood, and it incorporates the Patent Automatic Locking Device.

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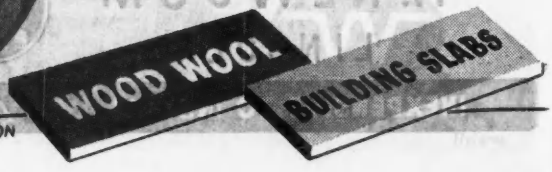
For full details of the method of using Wood Wool Slabs and their applications write to this Association.



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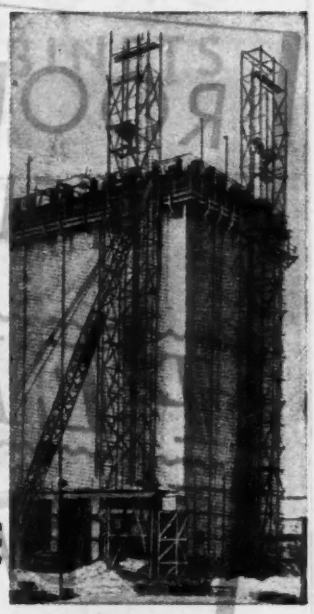

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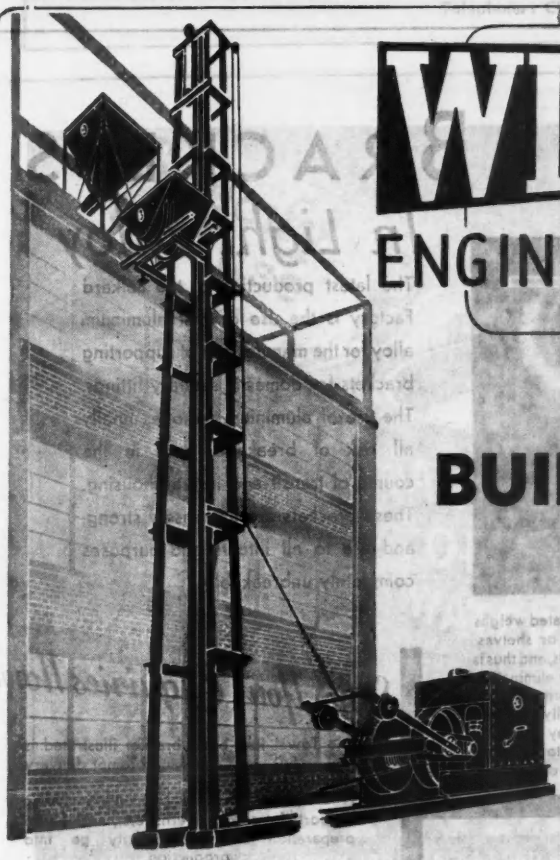

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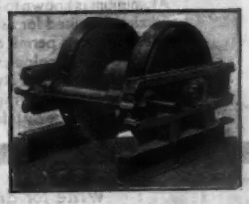

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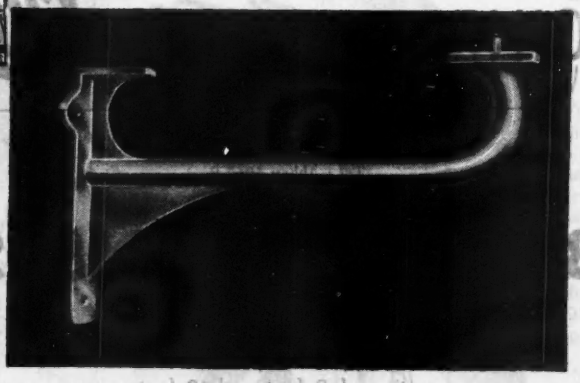

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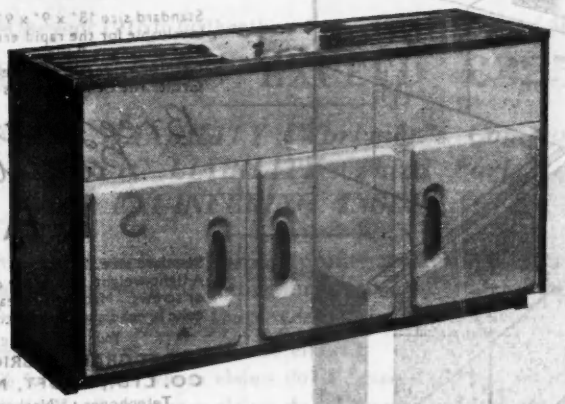

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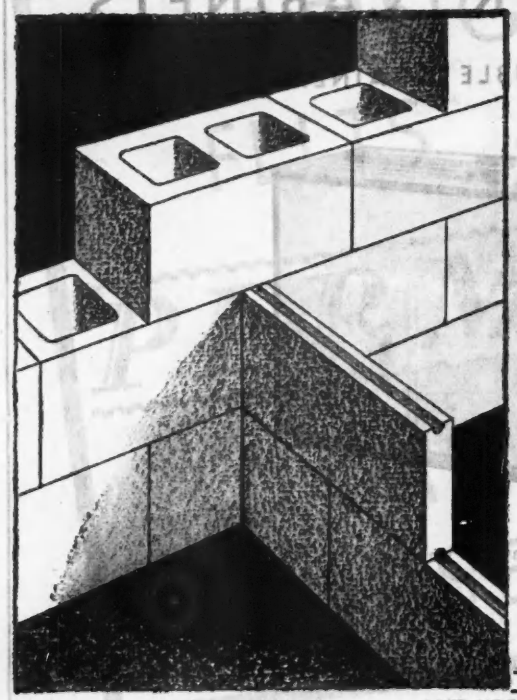

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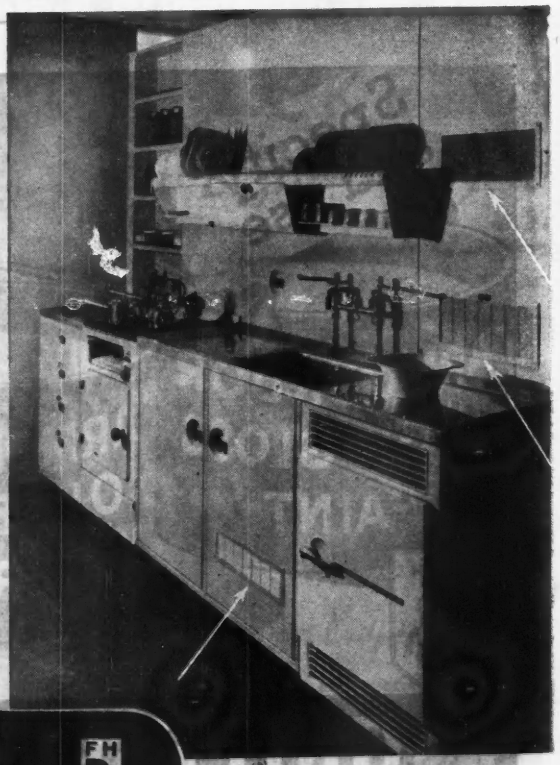

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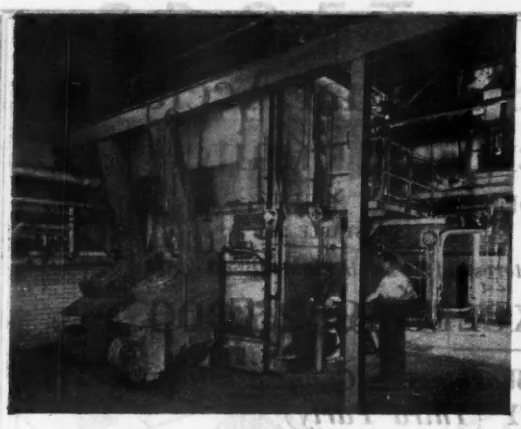

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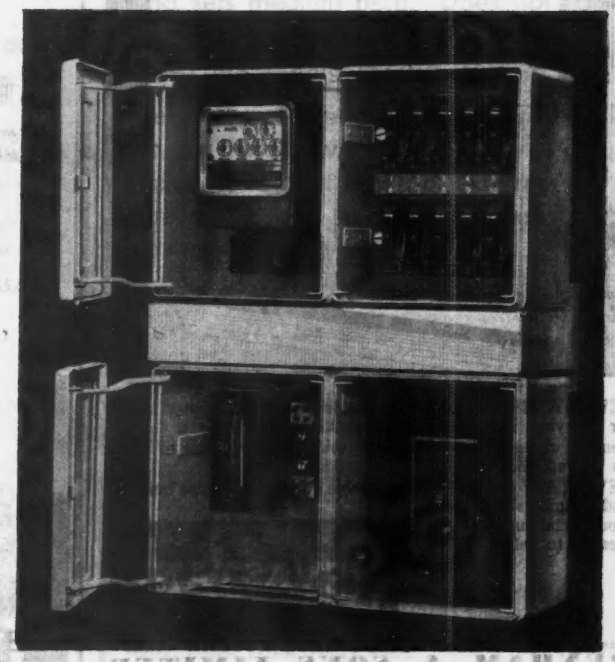

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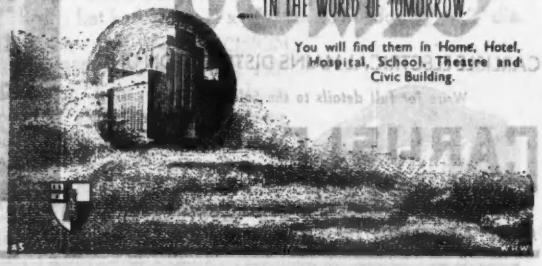

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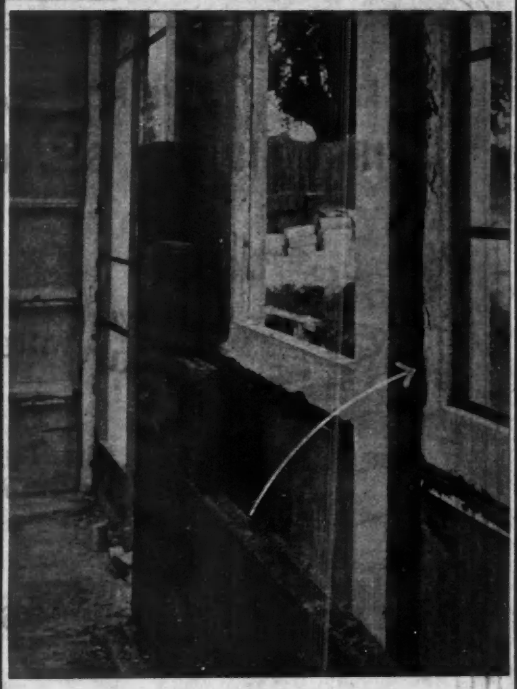

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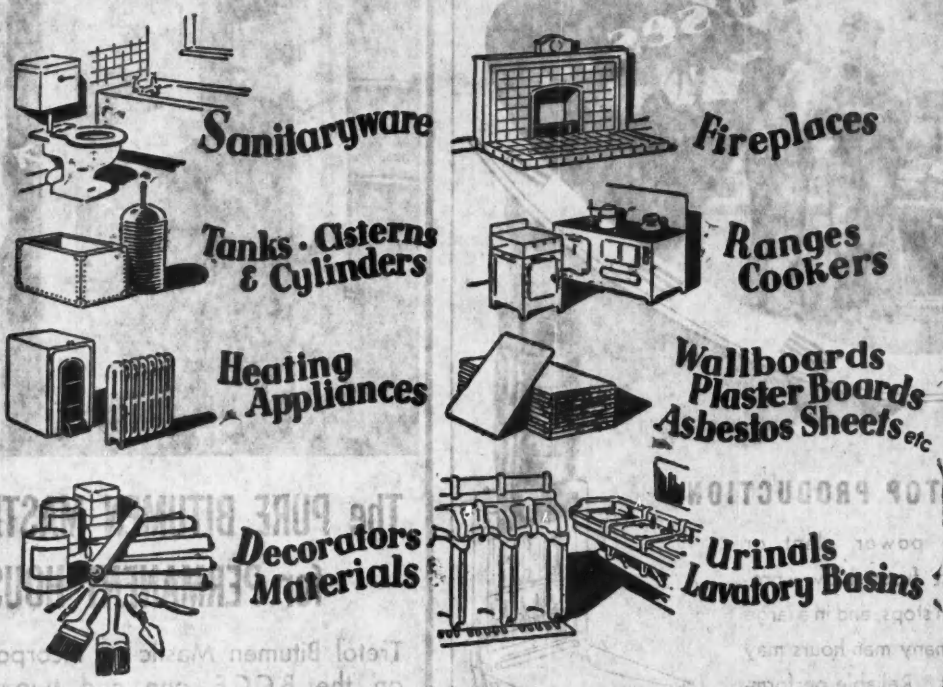

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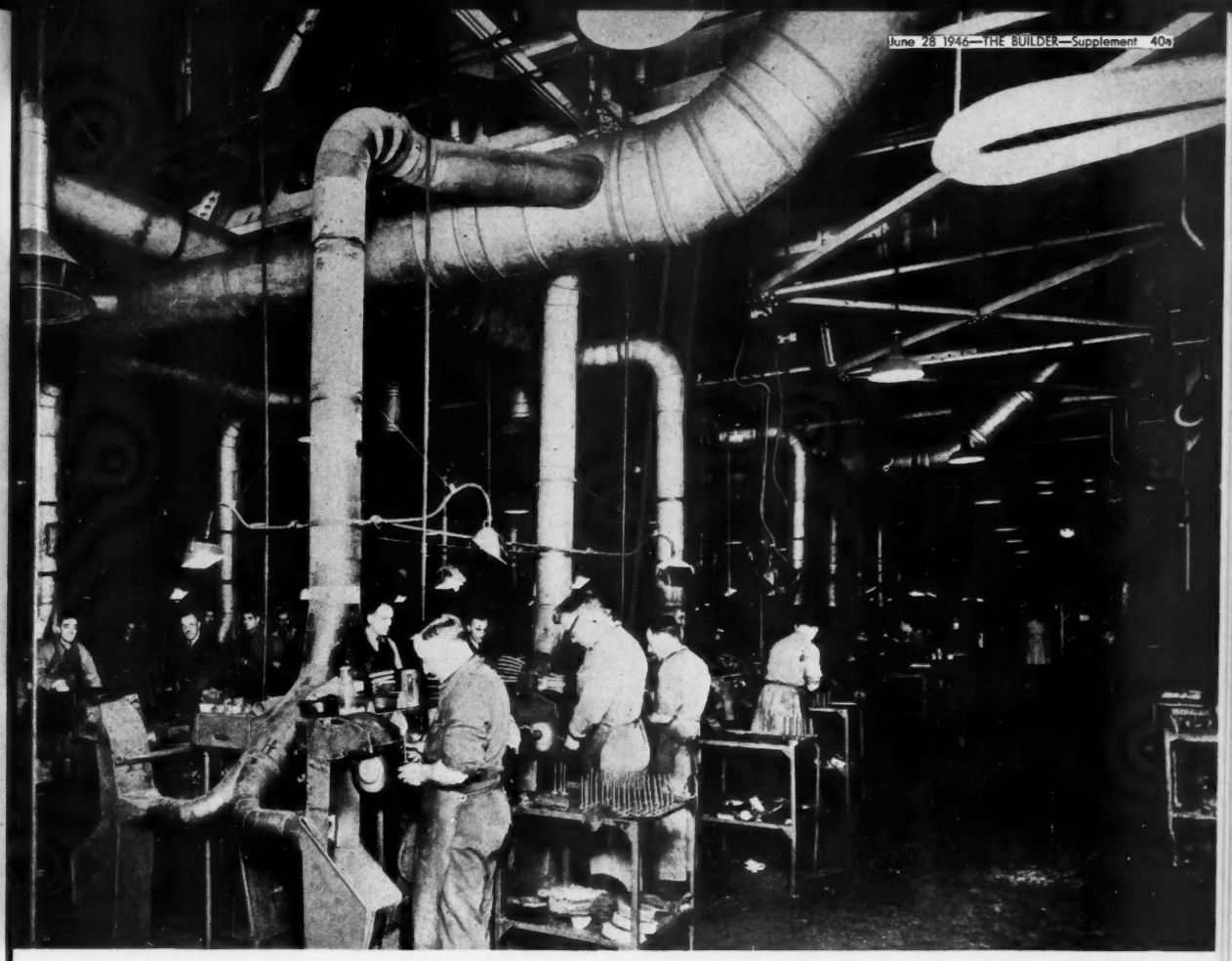

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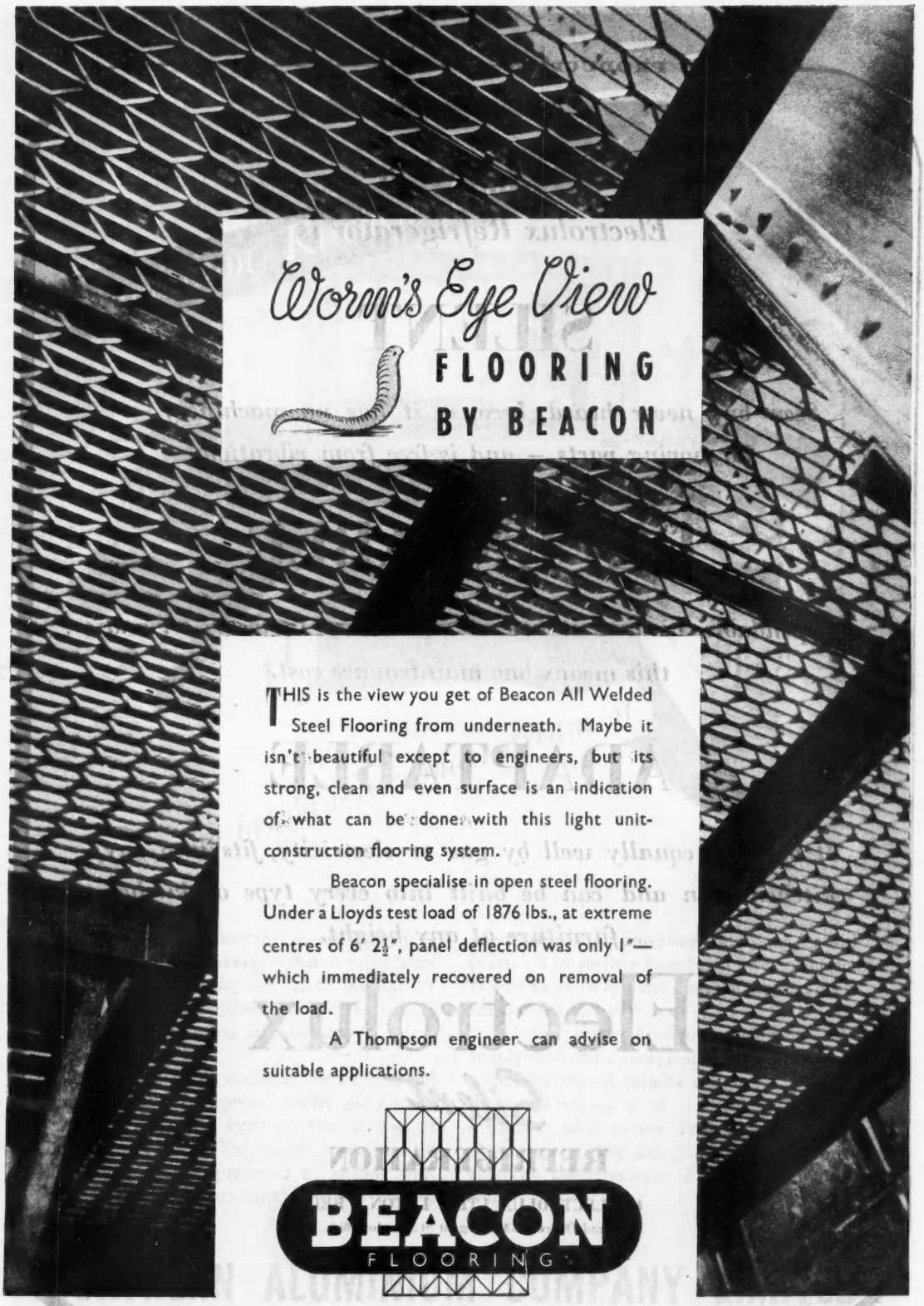

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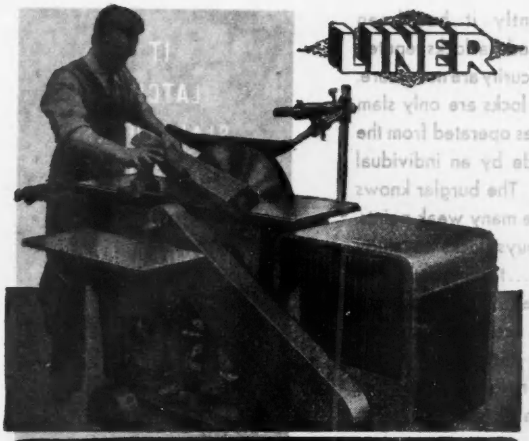

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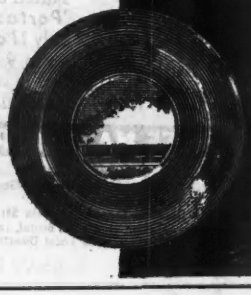

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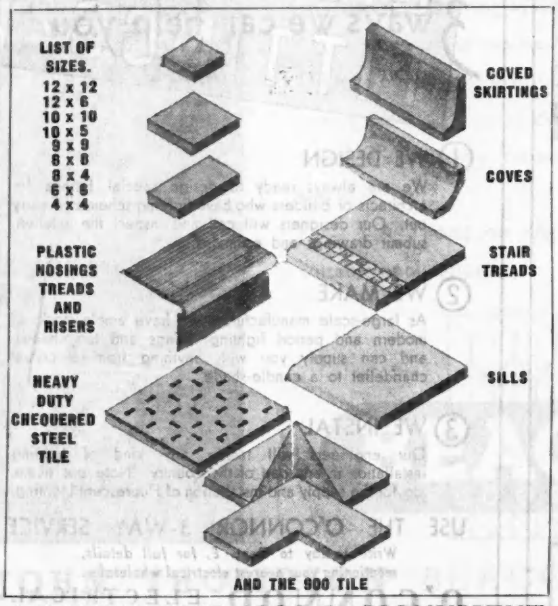

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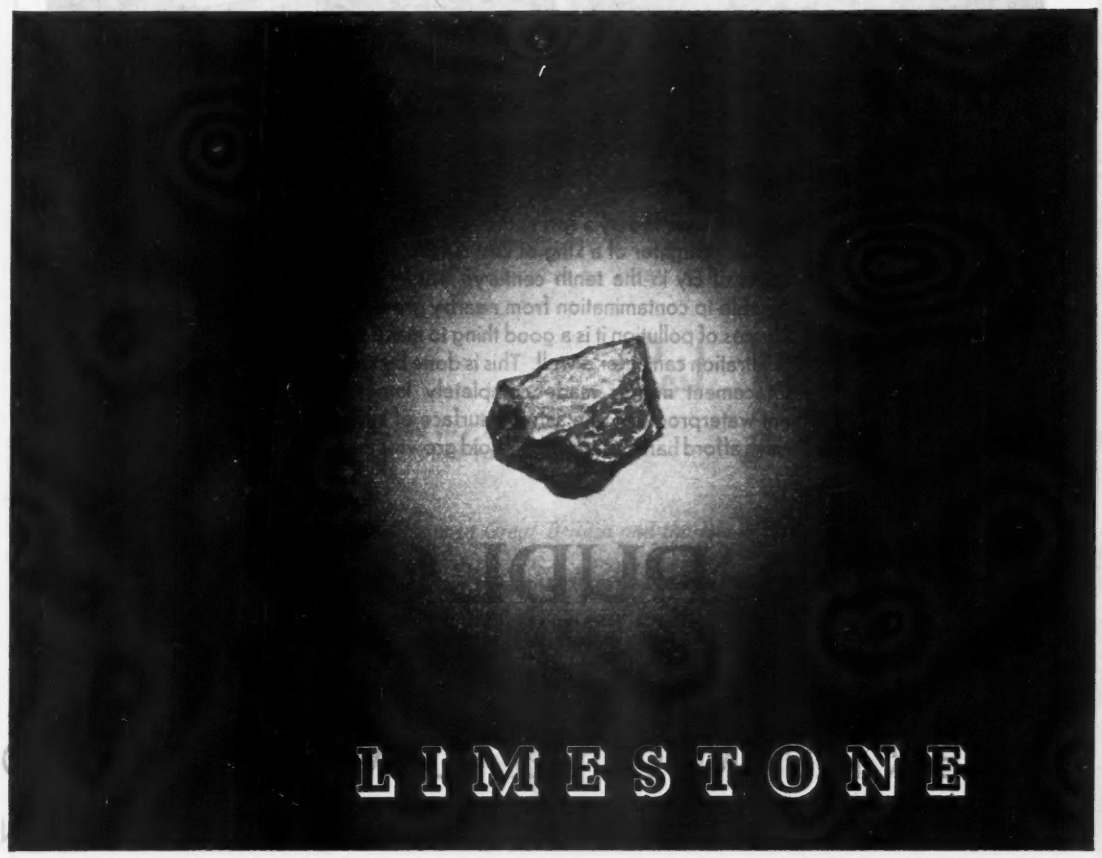

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10

EAST DEREHAM CHURCH.

From a pen and wash drawing by Leonard R. Squirrell, R.W.S., R.E., etc.

IN the churchyard there is a well, fed by a spring that is said to have sprung miraculously from the grave of Withburga, daughter of a king of East Anglia, after her body had been stolen by the Abbot and monks of Ely in the tenth century. There are many wells, still used for human needs, that are liable to contamination from nearby graveyards, and even when there are no such obvious sources of pollution it is a good thing to make sure that only water which is purified by deep earth filtration can enter a well. This is done by rendering the porous brick or stone "steining" with cement mortar made completely impervious by the addition of 'PUDLO' Brand cement waterproofer. The smooth surface of such a lining is sanitary, unlike brick or stone-work which afford harbourage for fungoid growths and other sources of infection.

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too much of a sweat . . .

A MAN I KNOW has a son and daughter-in-law who have just set up housekeeping in a pre-fab. He told me that the daughter-in-law complains about what he called excessive condensation. (I know. We call it sweating. But he's that kind of man.) Under the windows, he says, the distemper has all washed off. He seemed to imply that you couldn't expect anything else, with Income Tax where it is. (He's that kind of man, too.) It would appear, though, that here is a small, legitimate grievance, the answer to which is very simple. How common it is amongst the pre-fab. dwellers I do not know. But in case you, personally, have come across it, do you mind if Adamite tells you the answer?

ONE OF THE main advantages of " Ellicem " Cement Paint when used for interior work is that it materially reduces sweating, even in the steamiest of pre-fab. kitchens on a washing day. This, of course, is a good thing in itself. But when you add to it the fact that neither steam nor natural damp does the slightest damage to " Ellicem's " stone-hard surface, don't you agree that we might have got something here? On exteriors, " Ellicem " is absolutely impervious to the heaviest of driven rain, and is a most economical, lasting and decorative finish. Anywhere, the older it gets, the harder it clings and becomes. You put it on either by spray or brush. It is made in a full range of colours.

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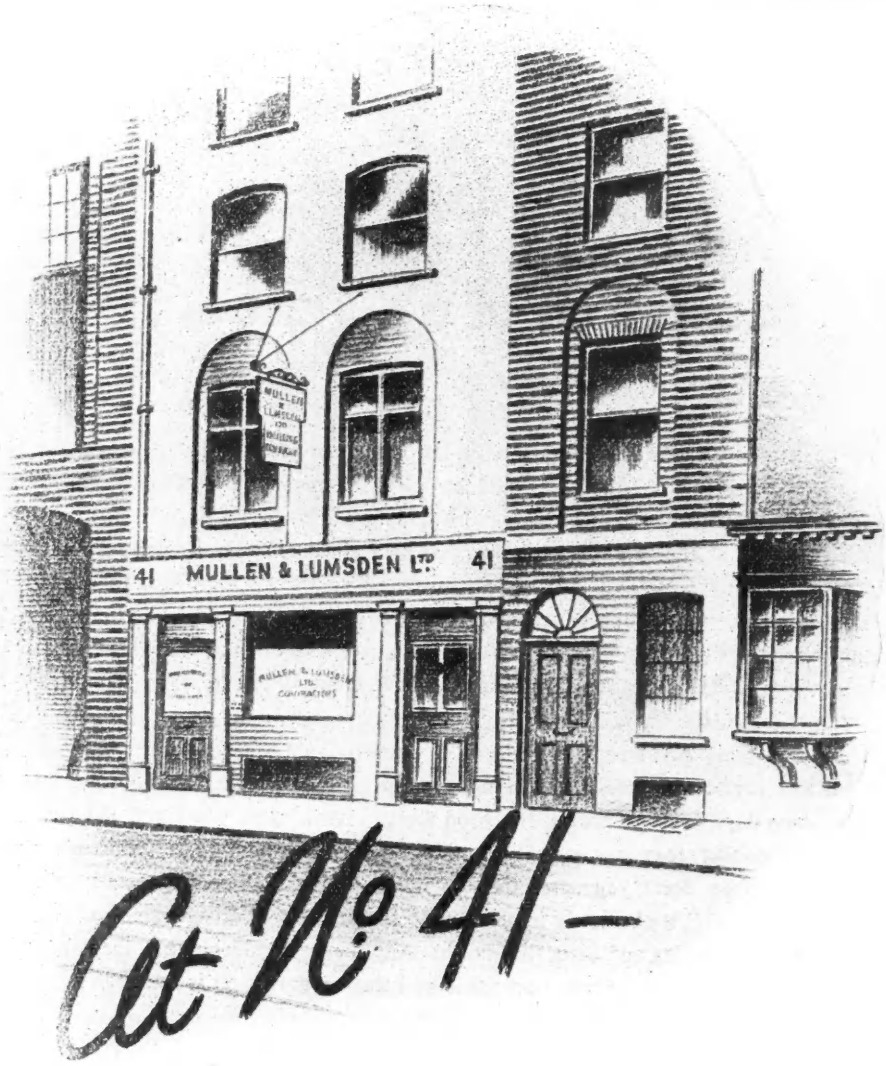

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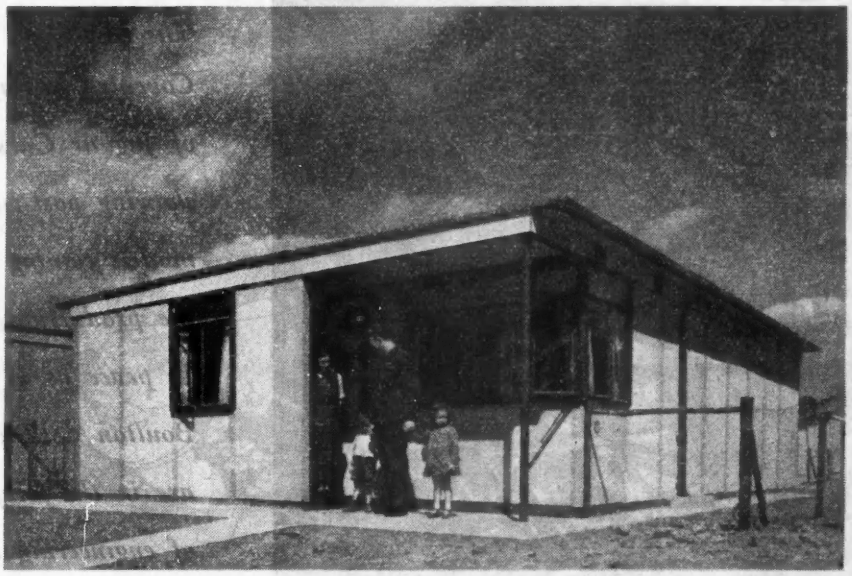

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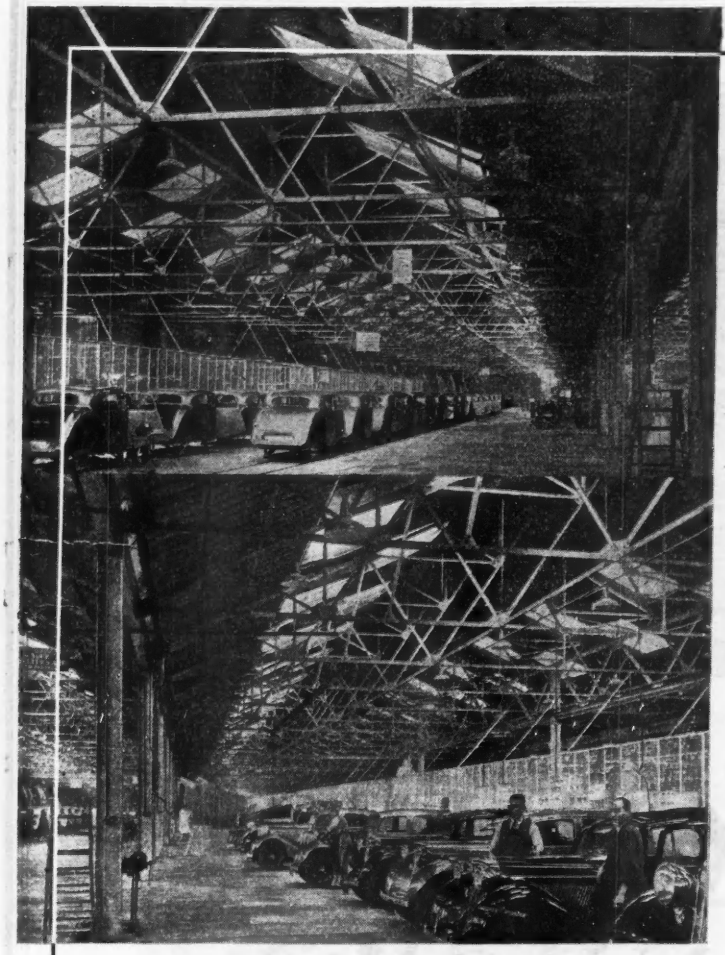

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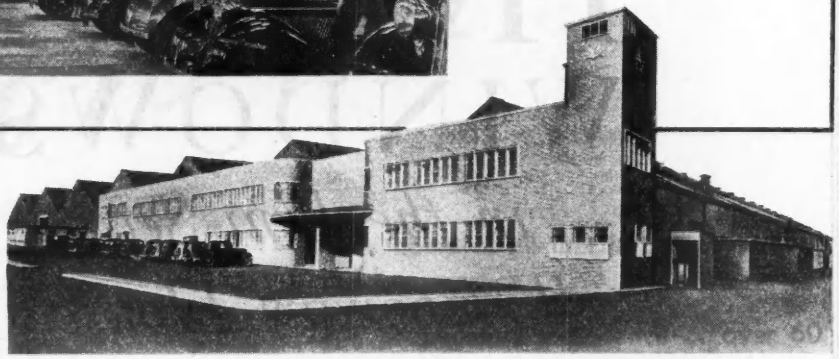

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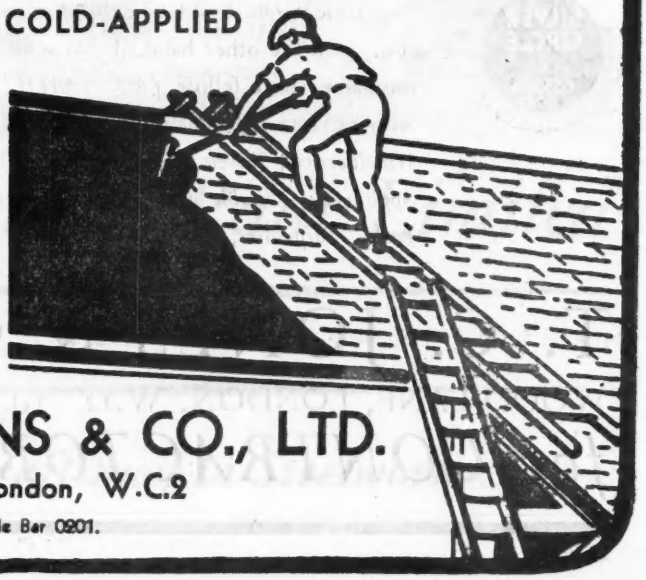

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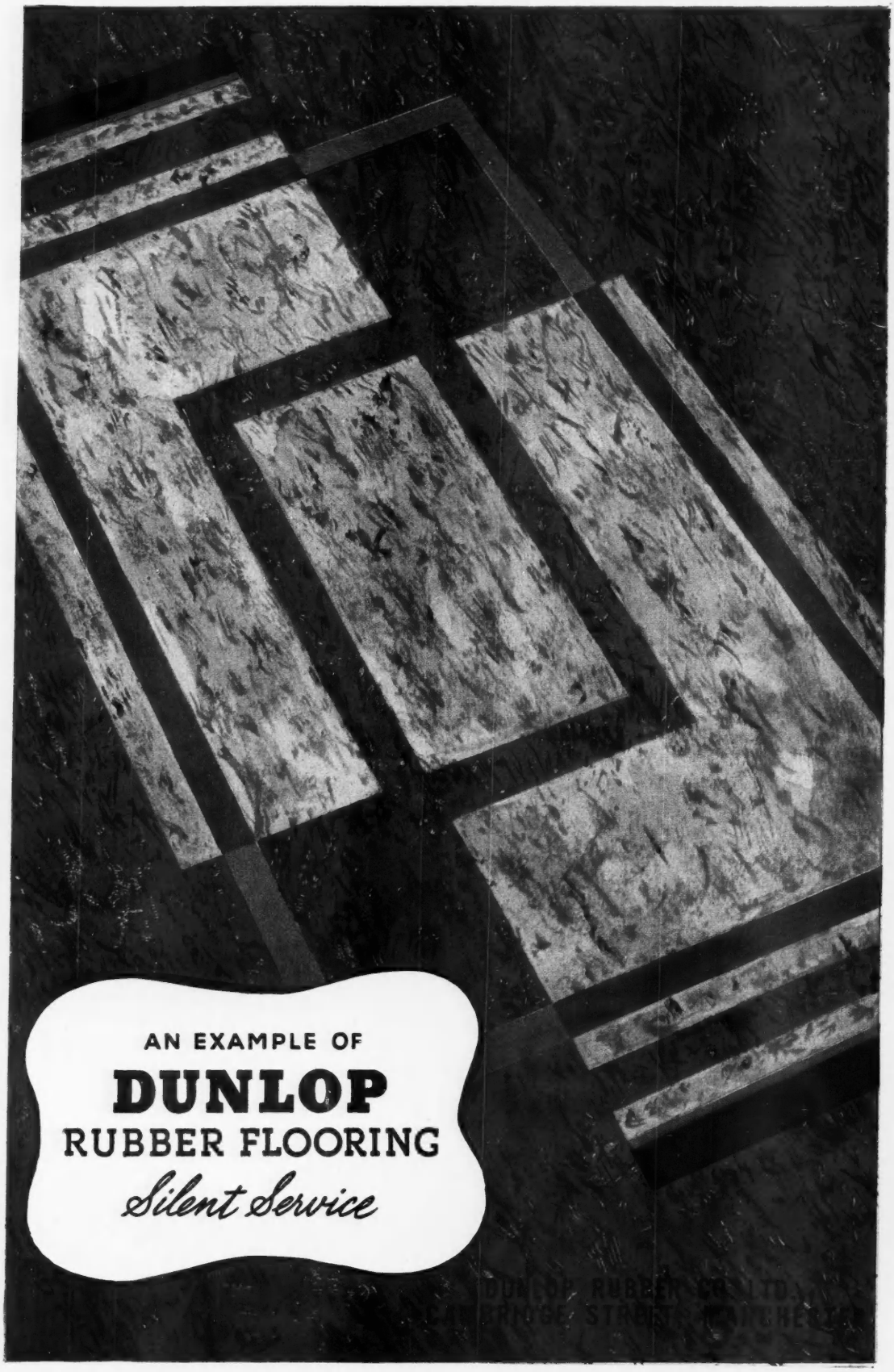
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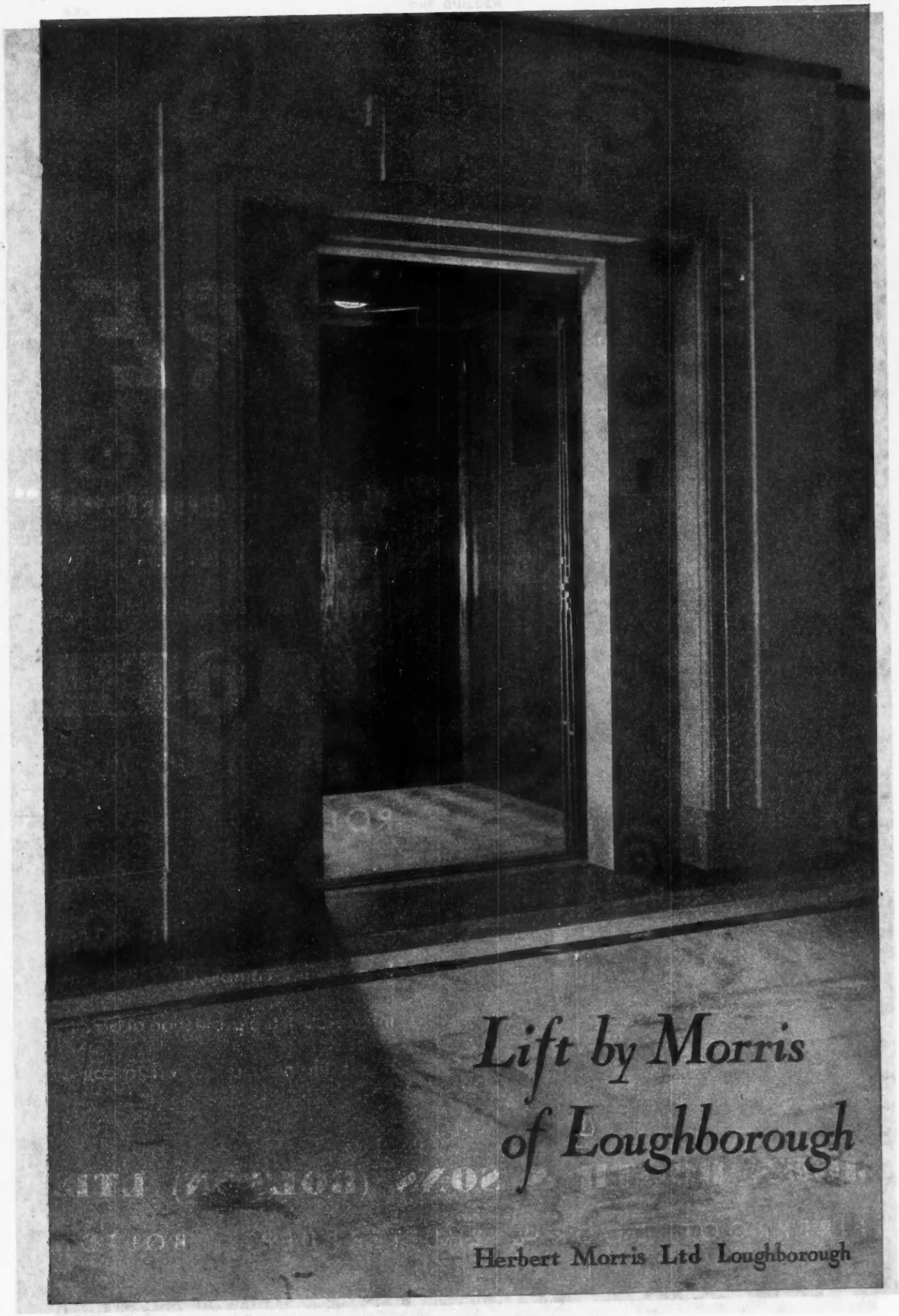
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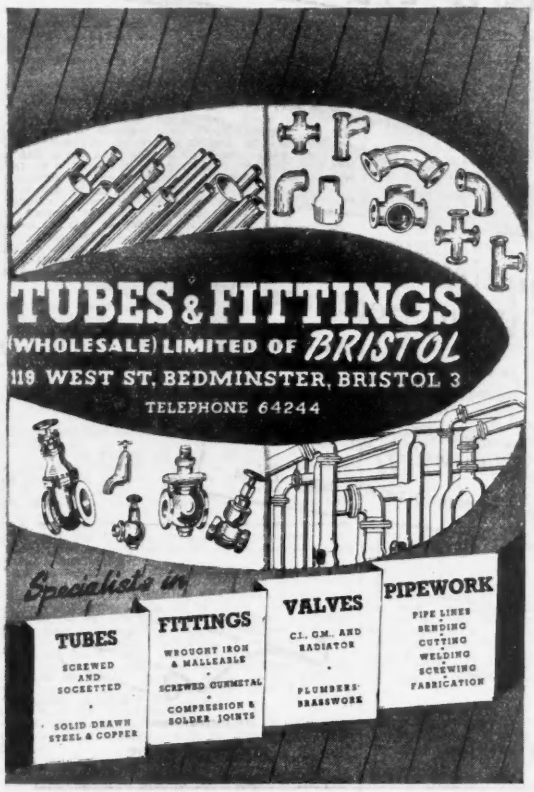

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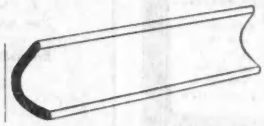

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CONTRACTS

COUNTY BOROUGH OF SOUTHEND-ON-SEA.

HOUSING.

TENDERS are invited for the ERECTION of HOUSES at SITE NO. 2, EASTERN-AVENUE, as follows:—

Contract A.—ONE PAIR of HOUSES, Type 42A.
TEN PAIRS of HOUSES, Type 45B.
Contract B.—THREE PAIRS of HOUSES, Type 42A.
FOUR PAIRS of HOUSES, Type 43B.
FOUR PAIRS of HOUSES, Type 45B.

Particulars, Bills of Quantities, Form of Tender, etc., may be obtained and Drawings may be seen at the Borough Engineer's Offices, at this address, on and after Saturday, 29th June, 1946, on payment of a deposit of £2 in respect of each Contract, returnable on the receipt of a bona-fide Tender and the return of all documents.

Tenders, endorsed "Contract A" (or "B"), in the sealed envelope provided, bearing no marks indicating the sender, to be submitted to me not later than 2 p.m. on THURSDAY, 11th JULY, 1946.

The Corporation do not bind themselves to accept the lowest or any Tender.

ARCHIBALD GLEN,
Town Clerk.

Municipal Buildings,
Southend-on-Sea.
19th June, 1946.

METROPOLITAN BOROUGH OF HACKNEY.

REBUILDING OF FLATS AT POWELL HOUSE, LOWER CLAPTON-ROAD, CLAPTON, E.5.

The BOROUGH COUNCIL invite TENDERS for the rebuilding of

10 FLATS AT THE ABOVE.

Copies of the General Conditions, Bills of Quantities and Forms of Tender may be obtained from Mr. W. G. H. Goodwin, L.R.I.B.A., Housing Manager, 219, Mare-street, E.8, on and after Wednesday, 19th June, on payment of a deposit of Two Guineas, which sum will be refunded to each bona fide tenderer after the Tenders have been adjudicated upon.

Plans may be inspected at the above address during normal office hours.

Tenders, accompanied by priced Bills of Quantities, enclosed in separate envelopes (supplied and clearly endorsed), sealed with sealing wax, must be delivered by the persons tendering or by their authorised representatives to the Chairman at a special meeting of the Establishment and General Purposes Committee to be held at the Town Hall, Mare-street, Hackney, E.8, at 7 p.m. on Wednesday, 24th July, 1946, or sent by registered post addressed to the Chaigman of the Committee, so as to be delivered not later than the above-mentioned date and time.

TENDERS OTHERWISE DELIVERED OR SENT WILL NOT BE CONSIDERED.

The envelopes containing Priced Bills of Quantities of unsuccessful tenderers will be returned to them unopened.

The Council do not bind themselves to accept the lowest or any Tender.

These works will not be scheduled under the Essential Work Order.

DUDLEY SORRELL,
Town Clerk.

Town Hall,
Hackney, E.8.
14th June, 1946.

UPTON-ON-SEVERN RURAL DISTRICT COUNCIL.

PERMANENT HOUSING PROGRAMME.

TENDERS are invited from Builders and Contractors for the ERECTION OF HOUSES on the following sites:—

Site	No. of Houses.
Hanley Castle	8
Earls Croome	12

Bills of Quantities and Conditions of Contract may be obtained from Messrs. Pemberton and Bateman, F.A.R.I.B.A., A.M.T.P.I., 29, High-street, Evesham, as from the 8th July, 1946, on payment of a deposit of 2 guineas, payable to the Upton-on-Severn R.D.C., which will be returned on receipt of bona fide Tender.

Tenderers may quote for the whole or part of the Contract.

Tenders should be delivered to the undersigned in plain stamped addressed envelopes, appropriately endorsed, not later than TUESDAY, 23rd JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender, and the acceptance of any Tender will be subject to the approval of the Ministry of Health.

H. H. FOSTER,
Clerk to the Council.

Council Offices,
Upton-on-Severn.
17th June, 1946.

BOROUGH OF FOLKESTONE.

TO BUILDERS AND CONTRACTORS.

The CORPORATION OF FOLKESTONE invite TENDERS for the ERECTION of SIXTEEN THREE-BEDROOM TYPE HOUSES on HORN-STREET SITE NO. 1.

Contractors wishing to tender are requested to register their names with Mr. E. L. Allman, A.M.Inst.C.E., Borough Engineer, West Terrace, Folkestone, not later than 5th July, and forward at the same time the sum of £3 3s. as a deposit, which will be refunded on receipt of a bona-fide Tender, together with the return of all documents.

Plans and Quantities will be ready on the 8th July, and sealed Tenders, endorsed "Housing, Horn-street," must be delivered to the undersigned not later than 22nd JULY, 1946.

The Corporation do not bind themselves to accept the lowest or any Tender.

C. F. NICHOLSON,
Town Clerk.

Town Clerk's Office,
Folkestone.
18th June, 1946.

CONTRACTORS desirous of TENDERING for LEVELLING of SITE and FORMATION of ROADS (about 550 yards run of concrete roads with verges and footpaths) at MANNINGS HEATH, SUSSEX, are asked to communicate with the Architect, Mr. George Coles, F.R.I.B.A., of 40, Cravenstreet, W.C.2. Drawings and specifications will be available at the end of June.

HORSHAM URBAN DISTRICT COUNCIL.

PROPOSED RAILINGS—HORSHAM PARK.

TENDERS are invited for the SUPPLY and ERECTION of 364 lineal yards of WROUGHT-IRON RAILINGS in HORSHAM PARK, HORSHAM.

Railings to be of best Staffordshire wrought-iron, height 4 ft. 6 in. from ground to top of railings, consisting of 1½ in. × ⅝ in. frame, ⅝ in. round bars with bow tops at 4½ in. centres in 9 ft. panels, with 2½ in. × 1 in. "H" iron standards having wings and base plates, each panel to have two intermediate spur supports to lower rail. All to be coated jet varnish before delivery.

The fencing is to be fixed in one straight line.

Tenders, endorsed "Railings, Horsham Park," to be delivered to the undersigned not later than first post on MONDAY, 15th JULY, 1946.

A. SLYFIELD,
Clerk to the Council.

Council Offices,
Horsham Park,
Horsham.
17th June, 1946.

HARTLEY WINTNEY RURAL DISTRICT COUNCIL.

PERMANENT HOUSES.

The above-mentioned COUNCIL will shortly be in a position to invite TENDERS for the ERECTION of 16 HOUSES at CRONDALL, HANTS.

Will Building Contractors who would like to have the opportunity of submitting a Tender for the above-mentioned work please submit their name and address to the undersigned not later than MONDAY, 15th JULY, 1946.

HENRY C. K. BROADHURST,
Clerk to the Council.

Council Offices,
Hartley Wintney, Hants.

WANDSWORTH BOROUGH COUNCIL.

REBUILDING OF SIX MAISONETTES, GORSE RISE, S.W.16.

TENDERS are invited for the REBUILDING of a BLOCK of SIX MAISONETTES in GORSE RISE, S.W.16.

Applications for Form of Tender, Bills of Quantities and Specification must be made to the Architects, Messrs. George Elkington & Son, Norfolk House, 7, Laurence Pountney Hill, E.C.4, accompanied by a deposit of Two Guineas, which will be returned upon submission of a bona-fide Tender.

Tenders, endorsed "Rebuilding Maisonettes—Gorse Rise," must be delivered to the Town Clerk, Municipal Buildings, Wandsworth, S.W.18, not later than 12 noon on TUESDAY, 16th JULY, 1946.

By Order,
R. H. JERMAN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18.
17th June, 1946.

COUNTY OF SOUTHAMPTON.

TO BUILDERS.

BUILDERS desirous of TENDERING for the CONSTRUCTION of SEPTIC TANK SEWAGE DISPOSAL WORKS at ABBEY WELLS BOYS' HOME, WOOLTON HILL, may obtain Plans and Specification with Conditions of Contract at the Office of the undersigned, The Castle, Winchester, on and after Monday, the 24th June, 1946.

Tenders, endorsed "Abbey Wells Sewage Works," to be delivered to the Clerk of the County Council not later than 12 noon, MONDAY, the 8th JULY, 1946.

The County Council does not bind itself to accept the lowest or any Tender.

SIMPSON LOW,
County Architect.

The Castle, Winchester.
17th June, 1946.

BOROUGH OF BILSTON.

ERECTION OF HOUSES—
CONTRACTS NOS. 128 AND 129.

TENDERS are invited from BUILDING CONTRACTORS for the undermentioned CONTRACTS:—

CONTRACT NO. 128.—77 PERMANENT HOUSES on the GREAT BRIDGE-ROAD SITE. Bills of Quantities will be supplied.

CONTRACT NO. 129.—PARK SUPERINTENDENT'S LODGE in HICKMAN PARK. Drawings and Specification will be supplied.

Applications for particulars for either or both Contracts should be made to the Borough Architect, 20, Wellington-road, Bilston, not later than Wednesday, 3rd July, 1946, accompanied by a deposit of £2 2s. in respect of *each*, which will be refunded on receipt of a bona-fide Tender not subsequently withdrawn.

Tenders, which will not be received unless enclosed in a plain sealed envelope endorsed "Tenders—Contract No. 128 or 129," and bearing no name or mark indicating the sender, to be delivered to the undersigned on a date to be notified in the documents to be issued.

The Corporation does not bind itself to accept the lowest or any Tender.

A. V. WILLIAMS,
Town Clerk.

Town Hall,
Bilston,
Staffs.
21st June, 1946.

COUNTY BOROUGH OF WEST HAM.

ERECTION OF 116 DWELLINGS.
CONTRACT NO. 87.

The COUNCIL intend to ERECT 116 DWELLINGS (three-storey flats) in the HEMSWORTH-STREET AREA, E.16, and Contractors desiring to tender should submit their names, not later than 10 a.m. on MONDAY, 15th JULY, 1946, to Thomas B. North, Borough Architect and Planning Officer, 100, West Ham-lane, E.15.

Applicants must forward a deposit of Two Guineas, which will be returned on submission of a bona-fide Tender. Cheques, etc., to be made payable to West Ham Corporation.

E. E. KING,
Town Clerk.

Town Hall, West Ham, E.15.
21st June, 1946.

URBAN DISTRICT COUNCIL OF NORTHFLEET.

TENDERS FOR HOUSES.

TENDERS are invited for the ERECTION of 90 HOUSES on the NEW HOUSE FARM ESTATE.

The houses (in pairs) are to be of traditional brick construction, all three-bedroom type, and Contractors may submit Tenders for the full scheme or for one or more of the following Groups:—

Group 1.—Type "A." Three pairs.
Group 2.—Type "A." Three pairs.
Group 3.—Type "A." Nine pairs.
Group 4.—Type "A." Nine pairs.
Group 5.—Type "B." Twenty-one pairs.

Copies of the Specification, Bill of Quantities, Conditions of Contract and Form of Tender can be obtained from the Engineer and Surveyor at the address below, or at the office of Mr. G. E. Clay, A.R.I.B.A., 198, Parrock-street, Gravesend, on payment of a deposit of Two Guineas, which will be returned on receipt of a bona-fide Tender.

Tenders, in plain sealed envelopes, endorsed "Tender for Houses," New House Farm," and bearing no name indicating the sender, must reach the undersigned not later than 12 noon on WEDNESDAY, 24th JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender.

W. G. FUTCHER,
Clerk of the Council.

Council Offices,
Northfleet,
Kent.
20th June, 1946.

CITY OF GLOUCESTER.

POST-WAR HOUSING.

QUANTITIES will shortly be available for the ERECTION of 66 PERMANENT HOUSES at CONEY HILL, GLOUCESTER.

Builders desiring to submit Tenders should apply to the City Architect, Suffolk House, Greyfriars, Gloucester, enclosing a cheque for £3 3s., which will be refunded on receipt of a bona-fide Tender (not subsequently withdrawn) and the return of all documents.

Bills of Quantities and other necessary documents will be forwarded as soon as they are available. Plans may be inspected during usual office hours.

Tenders, enclosed in plain sealed envelopes, endorsed "Permanent Houses: Coney Hill," should be delivered to the undersigned by first post on TUESDAY, the 9th JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender.

A. MORGAN, L.R.I.B.A.,
City Architect.

Suffolk House,
Greyfriars,
Gloucester.
19th June, 1946.

ST. ALBANS RURAL DISTRICT COUNCIL.

PARISH OF WHEATHAMPSTEAD.

MARFORD HOUSING SCHEME (SECTION 1).

CONSTRUCTION OF ROADS.

TENDERS are invited for the CONSTRUCTION of approximately 470 yards of CONCRETE CARRIAGEWAY, together with the FOOTPATHS, VERGES, DRAINAGE and incidental works, on the COUNCIL'S ESTATE fronting MARFORD-ROAD and DYKE-LANE, WHEATHAMPSTEAD.

Contractors desirous of tendering are asked to submit their names, accompanied by a cheque, value £2 2s., for Specification and Bill of Quantities. This sum will be returned on receipt of a bona-fide Tender (not subsequently withdrawn) and the Specification and Bill of Quantities.

The Drawings and Form and Conditions of Contract may be inspected at this Office between the hours of 9.30 a.m. and 4 p.m. on and after 5th July, 1946.

Tenders should be endorsed in plain envelopes or wrappings, bearing no indication of origin, endorsed "Tender for Marford Housing Estate Roads," and addressed to the Clerk to the Council at 43, Upper Lattimore-road, St. Albans, Herts. The latest time for the receipt of Tenders is 11 a.m. on MONDAY, 15th JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender.

FRANK FITCH,
Clerk to the Council.

Council Offices,
43, Upper Lattimore-road,
St. Albans,
Herts.
18th June, 1946.

BOROUGH OF SURBITON.

ERECTION OF 180 HOUSES ON THE MANSFIELD-ROAD ESTATE, HOOK, SURBITON.

The CORPORATION of SURBITON invite TENDERS for the ERECTION of 180 HOUSES, to be of permanent-type brick-built construction, on land between MANSFIELD-ROAD and CLAYTON-ROAD, as follows:—

48 Houses—Type N 2/3.
68 Houses—Type S 2/3.
16 Houses—Type S 4/3.
48 Houses—Type S 4/3 and 4.

The Drawings, the Form of Agreement and Conditions of Contract may be seen at the Offices of Mr. R. Thirlway, M.Inst.M. & Cy.E., Registered Architect, the Borough Surveyor, Council Offices, Ewell-road, Surbiton, during the usual office hours.

The Contractors desirous of tendering are requested to apply for Bills of Quantities not later than 17th July, 1946. Applications are to be accompanied by a deposit of Five Guineas, to be made payable to the Corporation, which will be refunded upon receipt of a bona-fide Tender. Tenders, endorsed "Mansfield-road Housing Scheme, Second Stage," in plain sealed envelopes, are to be delivered to the undersigned in accordance with the directions indicated in the General Information and Instructions to Persons Tendering. The latest date for submission of Tenders will be shown in this document.

The lowest or any Tender will not necessarily be accepted, and Contractors tendering must do so at their own expense.

R. H. WRIGHT,
Town Clerk.

Council Offices,
Ewell-road,
Surbiton.
18th June, 1946.

RINGWOOD AND FORDINGBRIDGE RURAL DISTRICT COUNCIL.

ERECTION OF PERMANENT HOUSES.

TENDERS are invited for the ERECTION of 28 PERMANENT HOUSES in the RINGWOOD AND FORDINGBRIDGE RURAL DISTRICT, to Plans prepared by Frank Andrews, L.R.I.B.A., Chartered Architect, 45, High-street, Ringwood, from whom Bills of Quantities and Form of Tender may be obtained on deposit of £2 2s. (which will be refunded on receipt of a bona-fide Tender).

Contractors may tender for the whole, or one or more of the following groups:—

Group 1.—4 Pairs Houses at Fordingbridge.
Group 2.—3 Pairs Houses at Damerham.
Group 3.—3 Pairs Houses at Whitsbury.
Group 4.—3 Pairs Houses at Hale.
Group 5.—1 Pair Houses at Martin.

Drawings may be inspected at the Architect's office during usual office hours.

Tenders, in sealed envelopes, endorsed "Tender for Permanent Houses," should be addressed and delivered to the undersigned not later than 12 noon on THURSDAY, the 18th JULY, 1946.

The Council does not bind itself to accept the lowest or any Tender.

H. CLEMENT BROWN,
Clerk of the Council.

Public Offices,
Ringwood, Hants.
21st June, 1946.

WANDSWORTH BOROUGH COUNCIL.

SUPPLY OF GARAGE AIR COMPRESSOR.

TENDERS are invited for the SUPPLY and DELIVERY to the Council's Depot of an ELECTRICALLY DRIVEN GARAGE AIR COMPRESSOR having a capacity of approximately 30 cubic feet per minute of free air compressed to 200 lb. per square inch.

Further particulars, together with form of tender, may be obtained on application to the Borough Engineer and Architect, Municipal Buildings, Wandsworth, S.W.18.

Tenders, endorsed "Garage Air Compressor," are to be delivered to the Town Clerk, Municipal Buildings, Wandsworth, S.W.18, not later than Noon on WEDNESDAY, 17th JULY, 1946.

The Council does not bind itself to accept the lowest or any Tender.

By Order,
R. H. JERMAN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18.
June, 1946.

ALTON RURAL DISTRICT COUNCIL.

PERMANENT HOUSES—WHITEHILL, HANTS.

The COUNCIL invites TENDERS for the ERECTION of 24 PERMANENT BRICK HOUSES at WHITEHILL, HANTS.

Applications, enclosing a deposit of £10 10s. (which will be returned on receipt of a bona fide Tender) must be made to the Clerk of the Council when the Bills of Quantities will be forwarded.

Plans and Conditions of Contract will be available for inspection at the offices of the Surveyor to the Council, 19, Lenten Street, Alton, on and after 1st JULY, 1946, between the hours of 10 a.m. and 4 p.m. (except Saturdays).

Tenders are to be delivered to the undersigned by 11 a.m. on THURSDAY, 18th JULY, 1946.

R. J. HOLDEN,
Clerk of the Council.

38, High Street,
Alton, Hants.
22nd June, 1946.

CITY OF CARDIFF.

PERMANENT HOUSES.

TENDERS are invited for the ERECTION of 300 PERMANENT HOUSES to be let in Contracts of approximately 100 houses on the following sites:—

RUMNEY,
GABALFA No. 1,
GABALFA No. 2.

Plans and Bills of Quantities may be obtained from the City Surveyor, City Hall, Cardiff, on receipt of a deposit of £2 2s., which will be refunded if a bona-fide Tender is submitted and not subsequently withdrawn.

Tenders on the official form, to be obtained from the City Surveyor, and accompanied by all necessary documents, must be enclosed in a sealed envelope, endorsed "Tender for Permanent Houses," and delivered to the undersigned not later than 12 o'clock Noon on MONDAY, 22nd JULY, 1946.

The Council does not bind itself to accept the lowest or any Tender.

S. TAPPER JONES,
Town Clerk.

City Hall,
Cardiff.

METROPOLITAN BOROUGH OF DEPTFORD.

PERMANENT HOUSING.

The COUNCIL of the above BOROUGH invites applications from CONTRACTORS to TENDER for the ERECTION of—

(a) THREE BLOCKS of FIVE-STOREY BUILDINGS containing 100 Self-contained Flats, on a site at CLYDE-STREET, DEPTFORD, S.E.8.
(b) The REBUILDING of SEVEN WAR-DESTROYED HOUSES on the BROOKLEY HOUSING ESTATE, S.E.4.

Layout Plans, Working Drawings and Conditions of Contract may be inspected at the Offices of the Council's Architects, Messrs. H. V. Ashley and Winton Newman, 5, Verulam-buildings, Gray's Inn, W.C.1.

Applications for Bills of Quantities, Forms of Tender and official envelopes should be made to the Town Clerk, Deptford Town Hall, New Cross, S.E.14, accompanied by a deposit of £2 2s. for each section (which will be refunded on receipt of a bona-fide Tender), and Tenders should be delivered to the undersigned not later than 12 noon on TUESDAY, 30th JULY, 1946.

The Council does not bind itself to accept the lowest or any Tender.

ERNEST FIELD,
Town Clerk.

Deptford Town Hall,
New Cross, S.E.14.
22nd June, 1946.

COUNTY OF HUNTINGDON.

EDUCATION COMMITTEE.

PROPOSED CONVERSION OF THE AMERICAN RED CROSS BUILDINGS INTO A COUNTY PRIMARY SCHOOL.

TENDERS are invited for the CONVERSION of the EXISTING AMERICAN RED CROSS BUILDINGS, CROMWELL-WALK, HUNTINGDON, into a COUNTY PRIMARY SCHOOL.

Copies of the Drawings and Bills of Quantities may be obtained on application to Mr. T. H. Longstaff, M.Inst.C.E., F.R.I.B.A., County Architect, Walden House, Huntingdon.

Sealed Tenders, in the envelope supplied, endorsed "Huntingdon County Primary School," with no identification marks, must be delivered to the undersigned by not later than the first post on MONDAY, 15th JULY, 1946.

The lowest or any Tender will not necessarily be accepted.

J. B. KELLY,
Clerk of the County Council.

Gazeley House,
Huntingdon.
20th June, 1946.

BOROUGH OF BECKENHAM.

The BECKENHAM BOROUGH COUNCIL invites TENDERS for the supply and delivery of:—

Steel Shelving.
Wooden Meter Test Benches.

Forms of tender may be obtained on application to Mr. L. A. Gripper, M.I.E.E., Borough Electrical Engineer and Manager, Electricity Department, Town Hall, Beckenham, Kent.

Tenders, enclosed in plain sealed envelopes, endorsed "Tender for Steel Shelving"; "Tender for Wooden Meter Test Benches," respectively, and not marked in any way to show the name of the Tendering Firm, to be delivered to the undersigned not later than 12 o'clock noon on WEDNESDAY, 17th JULY, 1946.

Tenders received after the prescribed date and time will not be considered, and the Council does not bind itself to accept the lowest or any tender.

C. ERIC STADDON,
Town Clerk.

Town Hall,
Beckenham, Kent.
21st June, 1946.

ISLE OF ELY COUNTY COUNCIL.

GIRLS' HIGH SCHOOL, WISBECH.

TENDERS are invited for the alterations and extensions to the Showers and Changing Room at the above School.

Contractors wishing to tender should apply not later than Saturday, 13th July, 1946, to R. D. Robson, A.R.I.B.A., County Architect, County Hall, March, Cambs., enclosing cheque value £2 2s. as deposit for plans and Bills of Quantities, which amount will be returned on receipt of a bona-fide tender.

A form of contract can be seen at the County Architect's Department, County Hall, March.

Tenders must be sent to the undersigned so as to reach him not later than SATURDAY, 3rd AUGUST, 1946.

The lowest or any tender will not necessarily be accepted.

R. F. G. THURLOW,
Clerk of the County Council.

County Hall,
March,
Cambs.

BOROUGH OF WOOD GREEN

PERMANENT HOUSING.

DURNSFORD-ROAD SITE.

Building Contractors who are desirous of TENDERING for a Block of 24 Flats at the above site are invited to register their names with R. Harrison, Assoc.M.Inst.C.E., Borough Engineer and Surveyor, Town Hall, Wood Green, N.22, on or before 12 noon on Wednesday, the 10th July, 1946. Written application should be made and a cheque for £2 2s. (made payable to "The Corporation of Wood Green") enclosed as a deposit for Form of Tender, Specification and Bills of Quantities. This deposit will be returned on receipt of a bona-fide Tender and the return of all documents.

Documents will be furnished to the Contractors so registered on or about the 19th July.

Plans may be inspected at the Office of the Borough Engineer and Surveyor at normal office hours.

No Tender will be accepted unless submitted in a plain sealed envelope (which shall bear no name or mark indicating the sender), endorsed "Tender for Flats—Durnsford-road," and must be delivered addressed to the Town Clerk, Town Hall, Wood Green, N.22, to reach his Office on or before 12 noon on WEDNESDAY, the 31st JULY, 1946.

The acceptance of a Tender will be subject to the approval of the Ministry of Health, and the Council do not bind themselves to accept the lowest or any Tender.

H. CHUBB,
Town Clerk.

Town Hall,
Wood Green, N.22,
June, 1946.

RURAL DISTRICT COUNCIL OF GLANFORD BRIGG.

HOUSING CONTRACT NO. 6.

TENDERS are invited for the ERECTION of SIX PERMANENT HOUSES at WHITTON, LINCS.

Conditions of Contract may be seen, and Plans, Specifications and Form of Tender (no quantities) obtained, from Messrs. Buttrick and Buttrick, F./A.R.I.B.A., Chartered Architects, 43, Oswald-road, Scunthorpe. A deposit of £2 must accompany applications for plans, etc., and this amount will be returned upon receipt of a bona-fide Tender and the return of all documents.

Sealed Tenders are to be delivered to the undersigned not later than 12 noon on the 15th July, 1946, marked "Housing Contract No. 6" on the top left-hand corner of the envelope.

The Council do not bind themselves to accept the lowest or any Tender.

T. MORGAN,
Clerk to the Council.

Rural Council Offices,
Bigby-street, Brigg.
24th June, 1946.

ORPINGTON URBAN DISTRICT COUNCIL.

ERECTION OF PERMANENT HOUSES.

The above Council invite TENDERS for the ERECTION of 80 PERMANENT HOUSES on the MOUNTFIELD SITE, ST. MARY CRAY.

Drawings may be seen at the offices of the Architect, Mr. E. G. Allen, F.R.I.B.A., 11, Arundel-street, Strand, W.C.2, or at the Council's Offices, between the hours of 10 a.m. and 4 p.m., Saturdays from 10 a.m. to 12 noon, from the 3rd to 25th July, 1946.

Form of Tender, Specification and Bill of Quantities may be obtained from the undersigned upon payment of a deposit of £3 3s., which will be returned on receipt of a bona-fide Tender, which is not subsequently withdrawn, and the return of documents.

Sealed Tenders, in plain envelopes, endorsed "Tender for Erection of Houses—Mountfield Site," must be received by the undersigned not later than Noon on FRIDAY, the 26th JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender.

LEONARD O. WALL,
Clerk of the Council.

Council Offices,
Orpington, Kent.
20th June, 1946.

RHYL URBAN DISTRICT COUNCIL.

MARSH-ROAD HOUSING SITE (FIRST CONTRACT).

The COUNCIL invites TENDERS for the CONSTRUCTION on the above-mentioned site of approximately 6,500 sq. yds. of CONCRETE ROADS and 1,050 lin. yds. of SEWERS varying in diameter from 18 in. to 6 in., together with Manholes, Inspection Chambers, and other incidental works.

Drawings may be inspected and Conditions of Contract, Specification, Bills of Quantities and Form of Tender obtained at the Office of the Engineer and Surveyor, Council Offices, Rhyl, on and after Monday, 1st July, 1946, on payment of a deposit of Two Guineas, which will be refunded upon the return of all Contract documents obtained, and after the Contract has been signed or the Council decides not to accept a Tender.

Sealed Tenders must be submitted in the manner set out in Conditions of Tender and General Instructions to Persons submitting Tenders.

Tenders must be delivered to the undersigned by not later than 12 noon on MONDAY, 22nd JULY, 1946. The Council does not bind itself to accept the lowest or any Tender.

A. E. EDWARDS,
Clerk of the Council.

Clerk's Office,
Council Offices,
Rhyl.

MALVERN URBAN DISTRICT COUNCIL.

CENTRAL SUB-STATION.

TENDERS are invited for the CONSTRUCTION of a CENTRAL ELECTRICITY SUB-STATION in SWAN POOL-ALLEY, approximately 14 ft. × 14 ft., in Concrete and Brickwork, with approximately 100 cubic yards of excavation.

Specification and Drawings may be obtained from, and copies of the general conditions and detail drawings seen at, the Office of the Surveyor and Water Engineer, the Council House, Malvern, on payment of the sum of £2 2s., which will be refunded on the receipt of a bona-fide Tender and the return of all documents.

Tenders, in plain sealed envelopes, bearing no indication of the identity of the sender, and endorsed "Tender for Sub-Station," should reach the undersigned not later ahan Noon on MONDAY, 8th JULY, 1946.

J. BULMAN,
Clerk of the Council.

The Council House,
Malvern,
20th June, 1946.

BOROUGH OF BRIDGWATER.

HAMP HOUSING ESTATE.

TENDERS are invited for the ERECTION of 180 HOUSES, 12 in pairs, 14 in pairs, and 32 blocks of four, on the above estate. Concrete road access will be available.

Specifications and quantities may be obtained, and plans inspected, on a deposit of £2 2s., which will be refunded on receipt of a bona-fide Tender, at the offices of the Borough Engineer, Town Hall, Bridgwater.

Contractors will be allowed to tender for part or all of the Houses, and the precise number should be clearly set out in the Tender.

Tenders must be delivered to the undersigned, in the envelope provided, not later than 20th JULY, 1946.

The Corporation do not bind themselves to accept the lowest or any Tender.

H. A. CLIDERO,
Town Clerk.

Town Hall,
Bridgwater,
25th June, 1946.

BOROUGH OF BRENTFORD AND CHISWICK.

The TOWN COUNCIL invite TENDERS for the ERECTION and COMPLETION of a GARAGE at the Council's Town Meadow Depot, Brentford.

Copies of the Drawings, Specification and Form of Tender can be obtained on application to the Borough Engineer and Surveyor, Town Hall, Chiswick, W.4, upon receipt of a deposit of £2 2s., to be returned when a bona-fide Tender is received.

Tenders must be on the prescribed form, and delivered or sent by post so as to reach the undersigned not later than 12 noon on MONDAY, 15th JULY, 1946. No Tender will be accepted unless it is received in a plain sealed envelope bearing no indication as to the sender, and endorsed "Tender for Garage, Town Meadow Depot."

The Council do not bind themselves to accept the lowest or any Tender.

JOHN SKINNER,
Town Clerk.

Town Hall,
Chiswick, W.4.
25th June, 1946.

BOROUGH OF WEMBLEY.

REBUILDING DEMOLISHED HOUSES.

The WEMBLEY BOROUGH COUNCIL invite TENDERS for the RECONSTRUCTION of THREE DEMOLISHED HOUSES at the following addresses:—27, 28, 29, DORS-CLOSE, KINGSBURY.

Documents obtainable from Borough Treasurer price Two Guineas (refunded if bona-fide Tender and all documents returned). Cheques payable to "Wembley Corporation."

Send Tender in plain sealed envelope, bearing no identification mark, but endorsed "Tender for Reconstruction of Demolished Houses," to Town Clerk, Town Hall, Wembley, not later than Noon, 15th JULY, 1946.

The Council do not bind themselves to accept the lowest or any Tender, and reserve the right to allocate the work amongst one or more contractors.

PUBLIC APPOINTMENTS

LONDON COUNTY COUNCIL.

VACANCIES FOR PLANNING STAFF AND ASSISTANTS IN THE ARCHITECT'S DEPARTMENT.

Applications are invited for a number of positions in the following grades:—

TEMPORARY PLANNING OFFICERS, GRADE III—up to £500 per annum.

TEMPORARY TECHNICAL ASSISTANTS—up to £420 per annum, according to qualifications and experience.

Cost-of-living additions, at present £78 to £90 a year according to basic salary for men, and £63 to £72 for women, are added to all salaries.

Successful candidates will be subject to the Council's Superannuation and Provident Fund. When permanent appointments are resumed, temporary staff with satisfactory service will receive consideration on a merit basis.

Candidates should possess appropriate professional qualifications and experience and should have a knowledge of current town planning legislation.

Applications should be made to the Architect to the Council, County Hall, Westminster Bridge, S.E.1, for form of application (enclosing stamped addressed foolscap envelope).

Canvassing disqualifies.

CITY OF OXFORD.

Applications are invited for the undermentioned appointments:—

(i) SENIOR TOWN PLANNING ASSISTANT. Salary Grade V of National scale (£460×£15×£15×£20×£510 per annum), plus cost-of-living bonus of £59 16s. per annum.

(ii) TWO SENIOR ENGINEERING ASSISTANTS. Salary Grade V of National scale (£460×£15×£15×£20×£510 per annum), plus cost-of-living bonus of £59 16s. per annum.

(iii) ENGINEERING ASSISTANT. Salary Grade III of National scale (£390×£15×£15×£15×£435 per annum), plus cost-of-living bonus of £59 16s. per annum.

(iv) BUILDING INSPECTOR. Salary Grade II of National scale (£360×£15×£15×£15×£405 per annum), plus cost-of-living bonus of £59 16s. per annum.

Applicants for (i) must possess suitable technical qualifications, and should have had previous experience of Town Planning Schemes, and be able to assist in the preparation and operation of Town Planning proposals.

Applicants for (ii) should be Associate Members of the Institute of Civil Engineers and/or Institution of Municipal and County Engineers or hold equivalent qualifications. They should have had previous experience of Municipal engineering works, including Sewerage and Sewage Disposal.

Applicants for (iii) should be Associate Members of the Institute of Civil Engineers or Institution of Municipal and County Engineers or hold equivalent qualifications.

Applicants for (iv) should have had experience in the control of building works and the administration of Building By-laws. Preference will be given to those applicants who have passed the Building Inspector's Examination of the Institution of Municipal and County Engineers.

The above-mentioned appointments will be terminable by one month's notice on either side, and subject to the provisions of the Local Government Superannuation Act, 1937. The selected candidates will be required to pass a medical examination.

Applications, giving the names of three persons to whom reference may be made, should reach the undersigned not later than FRIDAY, 12th JULY, 1946.

J. CAMPBELL RIDDELL, B.Sc., A.M.Inst.C.E.,
City Engineer and Surveyor.

Town Hall,
Oxford.
13th June, 1946.

AMENDED ADVERTISEMENT.

BOROUGH OF MANSFIELD.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

THIRD ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, at a salary of £390-£15-£435, plus cost-of-living bonus, at present £59 16s. per annum.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and will be subject to one month's notice on either side. The successful candidate will be required to pass a medical examination.

Applicants must be Registered Architects, and preference will be given to Associates of the Royal Institute of British Architects; applicants must have had experience in the design, preparation and supervision of Municipal Housing Schemes.

Form of application to be obtained from Mr. E. T. Crowe, B.Sc., A.M.I.C.E., Borough Engineer and Surveyor, Carr Bank, Mansfield, to whom applications, accompanied by not more than three recent testimonials, are to be delivered not later than the 17th of JULY, 1946, in sealed envelope endorsed "Third Architectural Assistant."

Canvassing, directly or indirectly, will disqualify.

A. C. SHEPHERD.
Town Clerk.

Carr Bank,
Mansfield.
24th June 1946.

BOROUGH OF SOUTHGATE.

AMENDED ADVERTISEMENT.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT on the Established Staff of the Borough Engineer and Surveyor, at a salary in accordance with Grade IV in the A.P.T. Division of the scales of salaries recommended by the National Joint Council, i.e., £460-£510 per annum, plus £20 London Area weighting. In addition, a cost-of-living bonus (at present £59 16s. per annum) is payable.

Applicants should be Associate Members of the Royal Institute of British Architects, or hold an equivalent qualification. Previous municipal experience, particularly in housing, will be an advantage.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass satisfactorily a medical examination. The appointment will be terminable by one month's notice on either side.

Candidates who to their knowledge are related to a Member or Senior Officer of the Council must disclose the relationship in writing to the Town Clerk. Failure to do so will disqualify or render the candidate appointed liable to dismissal without notice.

Canvassing, either directly or indirectly, will be a disqualification.

Applications, stating (1) name and address, (2) age, (3) qualifications by examination, (4) present position, salary, and date appointed, (5) previous positions, with dates and salaries, (6) particulars of experience and accompanied by copies of three recent testimonials, should be sent to Mr. J. T. W. Peat, F.R.I.B.A., Borough Engineer and Surveyor, Southgate Town Hall, Palmers Green, London, N.13, in an envelope endorsed "Architectural Assistant," so as to reach him not later than FRIDAY, 5th JULY, 1946.

GORDON H. TAYLOR,
Town Clerk.

Southgate Town Hall,
Palmers Green,
London, N.13.
13th June, 1946.

COUNTY OF SOUTHAMPTON.

Applications are invited for the following appointments on the established staff of the County Architect's Department:—

(a) PRINCIPAL ASSISTANT ARCHITECT—Grade vii. Salary £575×£25—£650 per annum.
(b) SENIOR ASSISTANT ARCHITECTS—Grade vi. Salary £535×£20 and £25—£600 per annum.
(c) ASSISTANT ARCHITECTS—Grade iv. Salary £420×£15—£465 per annum.
(d) ASSISTANT ARCHITECTS—Grade iii. Salary £390×£15—£435 per annum.
(e) ARCHITECTURAL ASSISTANTS—Grade i. Salary £330×£15—£375 per annum.
(f) ASSISTANT QUANTITY SURVEYOR—Grade v. Salary £460×£15 and £20—£510 per annum.
(g) HEATING ENGINEER—Grade vi. Salary £535×£20 and £25—£600 per annum.

The cost of living allowance, at present £59 16s. per annum, will be payable in each case in addition to the salaries stated.

Candidates for Appointments (a), (b), (c) and (d) must be Registered Architects, preferably A.R.I.B.A., with good general experience in design and construction of public buildings, including schools.

Candidates for Appointments (e) should have passed the Intermediate examination R.I.B.A., and have had some practical experience.

Candidates for Appointment (f) should have the qualification P.A.S.I. and experience in the preparation of Bills of Quantities and Estimates, and in the settlement of final accounts on building contracts.

Candidates for Appointment (g) should have suitable qualifications and be Associate Members of the Institute of Heating and Ventilating Engineers. They must have had experience in the design of heating, hot water, and ventilating systems in all classes of public buildings. A knowledge of electrical work and mechanical equipment will be considered an advantage.

The appointments will be subject to the Local Government Superannuation Act, 1937, and candidates before appointment will be required to pass a medical examination.

The appointments will be terminable by one month's notice on either side.

Application should be made on forms to be obtained from Simpson Low, A.R.I.B.A., Dipl.Arch., County Architect, The Castle, Winchester, to whom they should be returned so as to arrive not later than MONDAY, the 8th JULY, 1946.

Members of H.M. Forces serving overseas may apply direct by letter, giving details of qualifications, experience and date of release.

G. A. WHEATLEY,
Clerk of the County Council.

The Castle, Winchester.
June, 1946.

R.I.B.A. ARCHITECTURAL SCIENCE BOARD AND JOURNAL.

Applications are invited for the post of SECRETARY to the ARCHITECTURAL SCIENCE BOARD and TECHNICAL ASSISTANT EDITOR to the JOURNAL. Preference given to a member of the R.I.B.A. with some scientific background and literary ability. Duties, which would be whole-time, would be to manage the work of the Board and of its Committees and to prepare material for the technical and scientific sections of the Journal. Commencing salary, £600 per annum.—Apply in writing to the SECRETARY, R.I.B.A., before 22nd JULY, 1946.

HERIOT-WATT COLLEGE, EDINBURGH.

Applications are invited from British Subjects for the post of LECTURER IN BUILDING. Qualifications and teaching experience in general building subjects, including Building Science and in Structural Steel and Reinforced Concrete are essential. Salary Scale for Lecturers: Grade I, £450-£15-£685; Grade II, £400-£15-£595. Placing will be given according to qualifications and experience. Further particulars and application form may be obtained from the Principal, with whom applications must be submitted not later than 31st JULY.

J. CAMERON SMAIL,
Principal.

BOROUGH OF MITCHAM.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT

The CORPORATION of MITCHAM invite applications for the appointment of ASSISTANT ARCHITECT in the Borough Engineer and Surveyor's Department in Grade V (A., P. and T. Division) of the National Scale of Salaries, namely, £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum, plus London weighting of £20 per annum and cost-of-living bonus, at present £59 16s. per annum for men, and £48 2s. per annum for women.

Candidates should be Registered Architects and should hold A.R.I.B.A. or equivalent qualification.

It is essential that candidates have experience of local authority housing, and in addition it is desirable that they should have good general architectural experience, including the design of public buildings.

The appointment is subject to the provisions of the Superannuation Acts, and the successful applicant will be required to pass a medical examination.

Form of application may be obtained from the Borough Engineer and Surveyor, Town Hall, Mitcham, Surrey, to whom applications should be addressed in an envelope endorsed "Assistant Architect."

The latest date for the receipt of applications is 8th JULY, 1946.

Canvassing, either directly or indirectly, will disqualify.

R. H. WHITE,
Town Clerk.

Town Hall,
Mitcham, Surrey.
15th June, 1946.

BRIGHTON TECHNICAL COLLEGE.

Principal: G. B. WATTS, M.A., Ph.D., B.Sc., F.R.I.C.

Applications are invited for the appointment of LECTURER IN ARCHITECTURAL AND BUILDING SUBJECTS. Applicants should possess good qualifications and practical experience in Architecture, Building Technology or Structural Engineering. The work will be entirely with Senior Students.

Salary according to Burnham Technical Scale, with full allowance for approved professional or industrial experience.

The person appointed will be required to assume duties as soon as possible after 1st September, 1946.

Forms of application, which may be obtained from the undersigned, should be returned, together with copies of two recent testimonials, to the Principal not later than 22nd JULY, 1946.

F. HERBERT TOYNE,
Education Officer.

Education Office,
54, Old Steine,
Brighton, 1.

HAYES AND HARLINGTON URBAN DISTRICT COUNCIL.

Applications are invited from suitably experienced and qualified persons for the following appointments in the Department of the Engineer and Surveyor:—

(a) CHIEF ARCHITECTURAL ASSISTANT (Permanent).

Salary £420 per annum, rising by increments of £20 to £500 per annum, plus cost of living bonus, at present 23s. per week.

(b) CLERK OF WORKS (Temporary).

Clerk of Works for a permanent Housing Scheme. Working hours in accordance with industrial conditions. The salary will be at the rate of £8 1s. 8d. per week, plus cost of living bonus, at present 23s. per week.

The application of the National Scheme of Conditions of Service is at present under consideration.

Forms of application can be obtained from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, upon receipt of a stamped addressed foolscap envelope.

Applications, accompanied by copies of not less than three recent testimonials, suitably endorsed, must be received by me not later than 12 noon on 3rd DAY OF JULY, 1946.

Canvassing, either directly or indirectly, will be deemed a disqualification.

Dated this 18th day of June, 1946.

A. E. HIGGINS,
Clerk of the Council.

Town Hall,
Hayes,
Middlesex.

BOROUGH OF ECCLES.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ENGINEERING ASSISTANT (PERMANENT).

Candidates should have a sound experience in Municipal Engineering and be competent to prepare plans, specifications, quantities and estimates. A knowledge of Town Planning will be an additional qualification.

(b) ARCHITECTURAL ASSISTANT (TEMPORARY).

Candidates should be Registered Architects and should be experienced in the design and erection of small dwellings and public buildings.

The salary for each appointment will be in accordance with Grade II of the Administrative, Professional and Technical Division of the National Joint Council's Scheme, i.e., £360 rising to £405 per annum, plus cost-of-living bonus (at present £60 per annum).

The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937, and the National Joint Council's Scheme of Conditions of Service. The successful candidates will be required to pass a Medical Examination by the Council's Medical Officer of Health.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, must reach the undersigned not later than SATURDAY, 13th JULY, 1946.

Canvassing, either directly or indirectly, will be a disqualification, and candidates must disclose in writing whether to their knowledge they are related to any member of the Council or to the holder of any senior office under the Council.

G. O. JONES,
Town Clerk.

Town Hall, Eccles.
18th June, 1946.

COUNTY BOROUGH OF DEWSBURY.

BOROUGH ARCHITECT AND BUILDINGS SURVEYOR'S DEPARTMENT.

Applications are invited for the position of ARCHITECTURAL ASSISTANT at a commencing salary of £460 per annum, rising by two annual increments of £15 and one of £20 to £510, plus cost of living bonus (at present £59 16s. per annum).

The appointment will be subject to one month's notice on either side and to the provisions of the Local Government and Other Officers' Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications, full particulars of training and experience, together with copies of two recent testimonials, to be sent to the undersigned not later than WEDNESDAY, 10th JULY, 1946, endorsed "Architectural Assistant."

HOLLAND BOOTH,
Town Clerk.

Town Hall,
Dewsbury.
17th June, 1946.

THE MUNICIPAL BOARD OF NAKURU, NAKURU, KENYA, EAST AFRICA.

Applications are invited for the following posts: (1) WORKS SUPERINTENDENT and (2) ASSISTANT WORKS SUPERINTENDENT AND AFRICAN WELFARE OFFICER.

For post (1) applicants to have a thorough knowledge and experience of building, roads and drainage construction and upkeep; ability to design simple works in brick, stone and R.I. concrete, laying water mains and operating water supply; capable of preparing detailed estimates and quantities; the keeping of accurate works costs, and ability to organise a small Fire Brigade.

The salary of this post is £600 by £30 to £720.

For post (2) applicants to have a working knowledge of buildings, roads, drains, water supply, carpentry and masonry. At least 50 per cent. of his normal day duties and 14 to 18 hours per week after normal day duties will be employed on African Welfare work at the African location; he must possess a good knowledge of Swahili, and have a flair for African Welfare, sports and similar organising activities.

The salary of this post is £480 by £30 to £540.

Both posts carry cost of living allowances (whilst applicable) at Government Rates, Provident Fund, free insurance under the Nakuru War Memorial Hospital scheme, and normal overseas leave privileges. Further details, etc., may be obtained on application to the Town Clerk.

All applications to be sealed and endorsed "W.S." or "A.W.S.," and to reach the Town Clerk, Municipal Offices, P.O. Box 124, Nakuru, Kenya, East Africa, not later than the 15th AUGUST, 1946.

BOROUGH OF CHESTERFIELD.

SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for a SENIOR ARCHITECTURAL ASSISTANT in the Architectural Section of the Borough Engineer's Department. Candidates must hold recognised architectural qualifications, be able to prepare Bills of Quantities, and preference will be given to those having municipal experience.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the candidate selected will be required to pass a medical examination.

Commencing salary £450, rising by £25 per annum (subject to satisfactory service) to a maximum of £500, plus cost of living bonus.

Applications, endorsed "Senior Architectural Assistant," stating age and full details of qualifications and experience, accompanied by copies of not more than three recent testimonials, should be sent to the undersigned not later than 15th JULY, 1946.

RICHARD CLEGG.
Town Clerk.

Town Hall,
Chesterfield.
15th June, 1946.

COUNTY BOROUGH OF BOLTON.

Applications are invited for the appointment of TWO ARCHITECTURAL ASSISTANTS in the Borough Engineer and Surveyor's Department, at salaries in accordance with Grade III A.P.T. Division of the National Joint Council Salary Scales, i.e., £390 per annum, rising by annual increments of £15 to £435 per annum, plus cost-of-living bonus, at present £59 19s. per annum.

The commencing salaries will be fixed in accordance with the qualifications and experience of the selected candidates.

Applicants must be competent to prepare sketch plans, working drawings, details and specifications. Preference will be given to members of the R.I.B.A.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the selected candidates passing satisfactorily a medical examination.

Applications, stating age, training, qualifications and experience, together with copies of not more than three recent testimonials, to be delivered to the undersigned not later than 10 a.m. on MONDAY, 15th JULY, 1946.

Canvassing will be deemed a disqualification.

PHILIP S. RENNISON,
Town Clerk.

Town Hall, Bolton.
17th June, 1946.

CROWN AGENTS FOR THE COLONIES.

COLONIAL GOVERNMENT APPOINTMENTS.

Applications from qualified candidates are invited for the following post:—

INSPECTOR OF BRICKFIELDS required by the Kenya Government Public Works Department for tour of three years in the first instance. Salary according to qualifications and experience in the scale £540 a year rising to £660 a year, plus cost-of-living allowance of about £20 for a single man and between about £75 and £157 for a married man, according to number of dependants. Free passages. Candidates, preferably between 35 and 40 years of age, should have had extensive experience of the practical aspects of brick and tile manufacturing processes, especially of clamp and intermittent kiln burning. They should have had Secondary School education up to matriculation standards and possess good organising ability.—Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, to THE CROWN AGENTS FOR THE COLONIES, 4, Millbank, London, S.W.1, quoting M/16570.

BOROUGH OF LEWES.

TEMPORARY BUILDING INSPECTOR.

Applications are invited for the appointment of a TEMPORARY BUILDING INSPECTOR in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade II of the Miscellaneous Division of the National Salary Scales (£315 per annum, rising by three annual increments of £15 to £360 per annum), plus cost-of-living bonus, at present £59 16s. per annum.

Applicants must have had previous experience with a local authority, and should be familiar with the procedure for the issue of Building Licences and W.B.A. Priority Certificates under the Control of Civil Building Order. Preference will be given to applicants who hold the Building Inspector's Certificate of the Institution of Municipal and County Engineers or equivalent qualifications.

The appointment will be terminable by one month's notice on either side.

Applications, endorsed "Building Inspector," stating age, present and past positions, qualifications, training and experience, accompanied by not more than three recent testimonials, must reach the undersigned not later than first post on TUESDAY, 16th JULY, 1946.

Canvassing, directly or indirectly, will be a disqualification.

C. T. BUTLER,
L.R.I.B.A., M.Inst.M. & Cy.E.,
Borough Surveyor.

Town Hall,
Lewes, Sussex.
18th June, 1946.

COUNTY BOROUGH OF WOLVERHAMPTON.

APPOINTMENT OF BUILDING WORKS MANAGER.

Applications are invited for the above appointment on the staff of the Borough Engineer and Surveyor, at a salary of £700, rising by annual increments of £25 to £750, plus cost-of-living bonus, at present £60 per annum.

The person appointed will be responsible to the Borough Engineer for the general organisation and supervision of a new Department for the building by direct labour of houses and other municipal buildings.

Candidates must have had a thorough experience in building work and be highly competent in management and administration.

The appointment, which will be subject to one month's notice on either side, is subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. The Conditions of Service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services. Canvassing will be a disqualification.

Applications, stating age, qualifications and full details of experience, together with copies of not more than three recent testimonials, should be delivered to the undersigned not later than MONDAY, the 15th JULY, 1946, in envelope marked "Building Works Manager."

J. BROCK ALLON,
Town Clerk.

Town Hall,
Wolverhampton.
June, 1946.

BERKSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointments on the permanent staff:—

(a) CHIEF QUANTITY SURVEYOR, at a salary of £535, rising by two annual increments of £20 and one of £25 to a maximum of £600 per annum, plus bonus.

(b) ASSISTANT QUANTITY SURVEYOR, at a salary of £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum, plus bonus.

(c) ENGINEERING ASSISTANT, at a salary of £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum, plus bonus.

(d) TWO ASSISTANT ARCHITECTS, at a salary of £390 per annum, rising by three annual increments of £15 to a maximum of £435 per annum, plus bonus.

The above grades are on the National Scale of Salaries, and the cost-of-living bonus is at present £59 16s. per annum.

Candidates for appointments (a) and (b) should be members of the Surveyors' Institution (Quantities Section) and should have had wide experience in preparing approximate estimates and bills of quantities, adjustments of accounts, etc. Previous experience with a Local Government Authority will be an advantage with regard to appointment (a).

Candidates for appointment (c) should be members of the Institution of Heating and Ventilating Engineers and should have had wide experience in design and supervision of heating, hot-water supply, electrical and general mechanical installations.

Candidates for appointments (d) should be chartered and registered Architects and should have had considerable experience of preparing working drawings and be able to take charge of contracts.

All the appointments will be subject to the Local Government Superannuation Act: to one month's notice on either side; to the successful candidates passing a medical examination; and to the Council's General Conditions of Service for Administrative, Professional, Technical and Clerical Staff for the time being in force.

Application forms can be obtained on receipt of a stamped addressed envelope from the County Architect, 10, Abbots-walk, Reading, to whom they should be returned completed, together with copies of three recent testimonials, on or before TUESDAY, 6th AUGUST, 1946.

Candidates serving with H.M. Forces abroad need not complete the official form of application, but may submit direct application to the County Architect within the time specified, giving particulars of age, education, qualification, experience, number of release group, date of probable release, and three names of references.

The possession of a car is not essential but would be an advantage.

Canvassing, directly or indirectly, will be a disqualification.

H. J. C. NEOBARD,
Clerk of the Council.

Shire Hall,
Reading.

POPLAR BOROUGH COUNCIL.

APPOINTMENT OF PRINCIPAL ASSISTANT ARCHITECT.

Applications are invited for the permanent position of PRINCIPAL ASSISTANT ARCHITECT to the Poplar Borough Council.

A large area of Poplar is situated in the proposed Stepney and Poplar Reconstruction Area, and extensive schemes of reconstruction are in hand and envisaged for the future. The position calls for sound technical and administrative ability and offers a good opportunity for experience in planning and architectural work with plenty of scope for originality and initiative.

Candidates should be Associates of the Royal Institute of British Architects, and experience in the carrying out of building work by direct labour would be an advantage. The successful candidate will be required to devote his whole time to the service of the Council.

The salary will be in accordance with Grade VIII (A.P.T. Division) of the National Scale of Salaries, i.e., £645 rising to £720 per annum, plus War Bonus, at present amounting to £59 16s. per annum, but may be subject to review at a later date.

The appointment will be subject to the provisions of the Poplar Borough Council Superannuation Acts, 1911 to 1937, and the successful candidate will be required to pass a medical examination. Termination of the appointment will be subject to one month's notice on either side.

Applications, endorsed "Principal Assistant Architect," stating age, qualifications, and present and past employment, and accompanied by copies of three recent testimonials, must be delivered to the Town Clerk, at the Poplar Town Hall, Bow-road, London, E.3, not later than 9 a.m. on 20th JULY, 1946.

Canvassing members or officers of the Council in any form will disqualify.

S. A. HAMILTON,
Town Clerk.

Poplar Town Hall,
Bow-road, E.3.
June, 1946.

BOROUGH OF HALESOWEN.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, at a salary between £400 and £500 per annum, according to experience, plus Cost-of-Living Bonus of £59 16s. per annum.

Candidates should have had experience in the preparation of layout and house plans and details, estimating and supervision of works.

The appointment will be subject to the provisions of the Superannuation Acts.

Applications, stating age, qualifications and experience, together with copies of not more than two recent testimonials, should be delivered to the undersigned not later than 13th JULY, 1946.

A. BASTERFIELD,
Town Clerk.

Council House,
Halesowen.
22nd June, 1946.

METROPOLITAN BOROUGH OF LAMBETH.

APPOINTMENT OF ASSISTANT SURVEYOR IN HOUSING ESTATES OFFICE.

Applications are invited for the appointment of an ASSISTANT HOUSING SURVEYOR on the permanent staff of the Council. The person appointed will act under the direction of the Housing Estates Manager, and his duties will be concerned with the management of Municipal Housing Estates and the Council's Post-war Housing Programme.

Applicants must be between the ages of 25 and 35, and should have a good knowledge of the building trade, and hold the Diploma of Professional Associate of the Chartered Surveyors' Institution or an equivalent qualification. Ex-Service applicants, with the necessary experience, will be considered if studying for the Final Examination of the Institution.

The commencing basic salary will be £405, rising by £15 to £450 per annum, plus a cost-of-living bonus, which at present amounts to 23s. per week (subject to revision on no less favourable terms in accordance with the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services). The appointment will be subject to the local superannuation scheme, and the successful candidate will be required to pass a medical examination.

Forms of application to be obtained from the Housing Estates Manager, Lambeth Town Hall, Brixton Hill, S.W.2, must be returned to the undersigned not later than 31st JULY, 1946. Envelope must be endorsed "Assistant Surveyor."

O. L. ROBERTS,
Town Clerk.

Lambeth Town Hall,
Brixton Hill, S.W.2.

ARCHITECTURAL ASSISTANTS Required at once by MINISTRY OF WORKS, 122, George-street, Edinburgh, 2. Salary according to age and experience. Applications containing this information to "The Secretary" at the above address.

COUNTY BOROUGH OF EASTBOURNE.

APPOINTMENT OF DEPUTY BOROUGH ARCHITECT.

Applications are invited for the above post in the Borough Engineer's Department, at a salary of £625 per annum, rising by three increments of £25 to £700 per annum, plus Cost-of-Living Bonus, at present amounting to £59 16s. per annum.

Applicants should be Associates of the Royal Institute of British Architects and should have had considerable experience in the design and construction, both by Contract and by Direct Labour, of the normal type of buildings erected by Local Authorities.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination by the successful candidate, and will be terminable by one month's notice on either side.

Applications, endorsed "Deputy Borough Architect," accompanied by three recent testimonials, should be forwarded to the undersigned so as to reach him not later than MONDAY, 15th JULY, 1946.

RAYMOND WILLIAMS,
Borough Engineer.

"Bishousbourne,"
Carlisle-road,
Eastbourne.

KENT COUNTY COUNCIL.

FOUR ASSISTANT ARCHITECTS are required on the temporary staff of the Buildings Department. The salary will be £420 a year, rising by annual increments of £15 to £465, plus war addition—at present £59 16s.

The posts are superannuable, and the successful candidates will be required to pass a medical examination.

Candidates must be members of the R.I.B.A. by examination, or hold equivalent qualifications, and must be experienced in the preparation of preliminary plans, working drawings, and specifications for school buildings, and the supervision of works in progress.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, must be delivered not later than the 15th JULY, 1546.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.
17th June, 1946.

LONDON COUNTY COUNCIL.

REQUIRED at BRIXTON SCHOOL OF BUILDING, FERNDALE-ROAD, S.W.4, and other L.C.C. INSTITUTES, THREE FULL-TIME PERIPATETIC TEACHERS for BUILDING TRADES COURSES: (a) Brickwork, (b) Carpentry and Joinery, (c) Plumbing. Duties will include teaching of trade theory, practice and associated subjects. Candidates should be specially experienced and qualified in the subject.

Salary: Burnham scale £300 × £15 to £525, plus London allowance minimum £36 a year, and additions for training and qualifications as applicable. Commencing salary according to teaching and industrial experience. Application forms from the EDUCATION OFFICER (T.1), County Hall, S.E.1 (stamped addressed foolscap envelope necessary), returnable by 20th JULY, 1946. H.M. Forces personnel abroad should apply by letter. (1569.)

LIVERPOOL EDUCATION COMMITTEE.

BUILDING DAY APPRENTICE CLASSES

Applications are invited for appointment as FULL-TIME ASSISTANT TEACHER of BRICKLAYING.

Candidates should have had a good training in the principles underlying the trade and an intimate knowledge of the trade practice. Experience in teaching the subject will be considered an important additional qualification.

Salary will be in accordance with the Burnham Technical Scale. Allowance will be made in suitable cases for industrial experience. Forms of application and further particulars may be obtained on receipt of a stamped addressed foolscap envelope from H. S. Magnay, M.A., Director of Education, Education Offices, 14, Sir Thomas-street, Liverpool, 1, to whom completed forms should be returned not later than MONDAY, 8th JULY, 1946.

Candidates serving with H.M. Forces overseas may submit direct applications, giving particulars of age, education, qualifications and experience, the number of their release group, and the names of not more than three persons to whom the Local Education Authority may refer. Canvassing, either directly or indirectly, will be considered a disqualification.

W. H. BAINES,
Town Clerk.
Clerk to the Local Education Authority.

CITY OF MANCHESTER.

CITY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF SENIOR HEATING, VENTILATING AND MECHANICAL ENGINEER.

Applications are invited for the appointment of SENIOR HEATING, VENTILATING AND MECHANICAL ENGINEER on the permanent staff of the City Architect's Department, basic salary £505 by £30 to £535, plus cost-of-living bonus, at present £60 per annum. The salary may be reviewed in the event of the Corporation adopting National Salary Scales.

The successful candidate will be required to pass a medical examination before the appointment is confirmed, to contribute to the Corporation's Superannuation Fund, and to execute the Corporation's Deed of Service.

Candidates should preferably be Members or Associate Members of the Institution of Heating and Ventilating Engineers, or of the Institute of Mechanical Engineers, be capable draughtsmen, fully experienced in the design and supervision of modern heating, hot-water and ventilation systems of all types for local authority buildings of every description. Candidates should also possess a sound knowledge of all mechanical equipment connected therewith.

Applications must be made on the appropriate form, which can be had at my office and must be returned (together with copies of not more than three recent testimonials) to me—not to any member of the Council—by 10 a.m. on FRIDAY, 12th JULY, 1946, endorsed "Senior Heating, Ventilating and Mechanical Engineer."

Canvassing in any form, oral or written, direct or indirect, is prohibited and will be regarded as a disqualification.

PHILIP B. DINGLE,
Town Clerk.

Town Hall,
Manchester.
June, 1946.

CITY OF BATH.

WANSDYKE HOUSING ESTATE.

CLERK OF WORKS (TEMPORARY).

Applications are invited for the position of CLERK OF WORKS to supervise the erection of prefabricated permanent houses on the above estate, at a salary of £7 7s. per week, plus War Bonus, at present 23s. per week.

Preference will be given to candidates who have been craftsmen, and who have a thorough knowledge of the construction of traditional as well as prefabricated dwellings.

Applications, which should state age and experience, and present and previous employment, must include the names of two persons to whom reference may be made, and must be delivered to the City Engineer, Guildhall, Bath, by noon on 3rd JULY, 1946, in an envelope marked "Clerk of Works, Wansdyke."

J. BASIL OGDEN,
Town Clerk.

Guildhall,
Bath.
19th June, 1946.

BOROUGH OF DOVER.

APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the above appointment, at a salary of £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum, plus cost-of-living bonus, at present £59 16s. per annum.

Applicants should be Professional Associates of the Royal Institute of Chartered Surveyors or hold equivalent qualifications, and must have had a wide experience in taking off quantities, preparing labour schedules, and in estimating work, and be fully competent in measuring up and the settlement of accounts. A detailed knowledge of the building trade is essential.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. The appointment will be terminable by one month's notice on either side.

Applications, stating age, present and past appointments, qualifications and experience, together with copies of three recent testimonials, must be delivered to the Borough Engineer, Maison Dieu House, Dover, not later than the first post on MONDAY, 8th JULY, 1946.

Canvassing, directly or indirectly, will be a disqualification.

JAMES A. JOHNSON,
Town Clerk.

Brook House,
Dover.
20th June, 1946.

CITY OF PORTSMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Department of the City Architect:—

(A) ASSISTANT ARCHITECTS (£450-£510).
(B) ASSISTANT ARCHITECTS (£390-£435).
(C) ASSISTANT ARCHITECTS (£330-£375).
(D) JUNIOR ASSISTANT ARCHITECTS (£255-£315).
(E) ASSISTANT QUANTITY SURVEYORS (£450-£510).
(F) ASSISTANT QUANTITY SURVEYORS (£390-£435).
(G) JUNIOR ASSISTANT QUANTITY SURVEYORS (£255-£315).

Applicants for (A) and (B) should be Members of the Royal Institute of British Architects.

Applicants for (C and (D) should have passed the Intermediate Examination of the Royal Institute of British Architects.

Applicants for (E) should be Professional Associates of the Chartered Surveyors' Institution, having qualified in the Quantities Sub-Division, and should have had experience in taking-off in a Quantity Surveyor's office.

Applicants for (F) and (G) should be Registered Students of the Chartered Surveyors' Institution, and preferably should have passed the First Professional Examination, and have had experience in working-up in a Quantity Surveyor's office.

The appointments will, in every case, be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a Medical Examination.

All increments take effect on the 1st April in each year, the first one on the above scales being payable 1st April, 1947, subject to six months' service in the post. Salaries are supplemented by cost-of-living bonus of £1 3s. per week. Appointments will be terminable by one month's notice on either side.

Applications, stating name, age, qualifications, and the names and addresses of two persons to whom reference can be made, must be delivered to the undersigned not later than 10 a.m. on FRIDAY, 19th JULY, 1946.

Canvassing will be a disqualification.

V. BLANCHARD,
Town Clerk.

City Council Chambers,
1, Clarence-parade,
Southsea.

BOROUGH OF WESTON-SUPER-MARE.

Applications are invited for the following positions in the Borough Engineer's Department:—

(1) SENIOR ENGINEERING ASSISTANT (permanent) with considerable municipal engineering experience, including design of Water Supply and Main Sewerage Works, at a salary of £375, rising by increments of £15 to £420 per annum, plus cost-of-living bonus, at present amounting to £59 16s. per annum. Candidates should have passed the final examination of the Institution of Civil Engineers, or should hold the Testamur of the Institution of Municipal and County Engineers.

(2) TEMPORARY ARCHITECTURAL ASSISTANT, with good general experience, including preparation of drawings, specifications and bills of quantities for Housing work, at a salary of £315, rising by increments of £15 to £360 per annum, plus cost-of-living bonus, at present amounting to £59 16s. per annum.

These appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and successful candidates will be required to pass a medical examination.

Applications, suitably endorsed, giving full particulars of age, qualifications and experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than SATURDAY, 20th JULY, 1946.

H. L. LLOYD, A.M.I.C.E.,
Borough Engineer and Surveyor.

Town Hall,
Weston-super-Mare.
20th June, 1946.

DUNDEE TECHNICAL COLLEGE.

The GOVERNORS OF THE DUNDEE INSTITUTE OF ART AND TECHNOLOGY invite applications for the following appointment:—

LECTURER IN BUILDING. Salary Scale £450-£15-£685, with placing on the scale according to qualifications and experience.

Applicants should preferably hold a University Degree or similar qualification and have some teaching experience.

The appointment is subject to the approval of the Scottish Education Department. The Superannuation Scheme for Teachers (Scotland) applies to qualified members of the staff.

Further particulars and form of application may be obtained from the undersigned, to whom applications must be submitted not later than 27th JULY, 1946.

GEORGE H. THOMSON,
Clerk and Treasurer.

Bell-street, Dundee.
June, 1946.

DRAUGHTSMAN required. Salary in

accordance with the National Joint Board for Electricity Supply Industry Schedule, Class H., Grade 8 A, at present £477, rising to £500 per annum.

Applicants must have a good knowledge of building construction and be able to survey sites and prepare detailed drawings and plans for power stations and electricity sub-stations, etc. Knowledge of structural steel work an advantage.

Write, stating age, and giving full particulars of training and experience, to E. A. MILLS, Borough Electrical Engineer, 18/24, Lower Clapton-road, E.5.

LONDON COUNTY COUNCIL.

Applications are invited for the following positions:

1.—QUANTITY SURVEYORS and ASSISTANTS (SENIOR and JUNIOR)—required for—

(a) "Taking-off" quantities, measuring and adjusting variations under building contracts and preparing estimates.
(b) Preparing estimates and measuring repairs and minor works under schedule of prices (experience of London County Council War Department of Office of Works Schedules).
(c) Working-up, etc., in connection with domestic buildings and general working-up (junior).
(d) Measurement of roads and sewers and housing work on cottage estates, preparation of interim and final bills on Schedules.

2.—ARCHITECTS, BUILDING SURVEYORS, TECHNICAL ASSISTANTS (Architectural) and JUNIOR DRAWING OFFICE ASSISTANTS—required for—

(a) Work in connection with the design and development of housing schemes for cottage estates and block dwellings (experience in domestic architecture preferred).
(b) Similar work in connection with schools and hospitals.
(c) The preparation of estimates and specifications for works of cleaning and painting, repairs and minor alterations at schools and hospitals.
(d) Assistants to District Surveyors. A knowledge of the London Building Acts and By-laws is necessary for these positions.
(e) Junior Drawing Office Assistants for general drawing office work. Should be able to finish plans from rough drawings, take dimensions and make sketches. Pay, according to age and experience, up to 65s. a week, plus cost-of-living addition.

3.—HEATING ENGINEERS and HEATING AND VENTILATING ASSISTANTS.

Good technical education required. Applicants must be experienced in the design of, and preparation of drawings, specifications and estimates for, modern hot-water heating, ventilating and hot-water supply schemes.

Except as otherwise shown, salaries for the above positions will be determined by qualifications and experience up to a maximum of £420 a year, together with cost-of-living additions up to £90 a year, according to basic salary. Salary up to £500 for certain positions of Heating Engineer and Building Surveyor. Successful candidates will be engaged on a temporary basis, but will be eligible for appointment, according to merits, for permanent appointment on the occurrence of vacancies. Temporary staff are required to contribute to the Council's Superannuation and Provident Fund.

Ex-Service candidates with experience prior to their war service will be specially considered.

Application forms may be obtained from the Clerk of the Council, County Hall, Westminster Bridge, London, S.E.1, enclosing stamped addressed foolscap envelope.

Canvassing disqualifies.

BOROUGH OF EDMONTON.

APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the appointment of a QUANTITY SURVEYOR in the Department of the Borough Engineer and Surveyor.

Candidates must be members of the Chartered Surveyors' Institution, have had experience in Municipal work, and be accustomed to preparing bills of quantities for Housing Estates, Public Buildings, and general building work under a Local Authority.

The salary will be Grade "V" of the National Scales Professional and Technical Division, £460, rising to £510 per annum, plus London allowance of £20 and war bonus £59 16s., and the post is subject to the Rules and Regulations adopted by the Council. Appointment is subject to the Superannuation Act, and satisfactory medical examination.

Applications, on forms from the Borough Engineer, accompanied by copies of not more than three recent testimonials, are to be sent in sealed envelopes endorsed "Quantity Surveyor" to reach me not later than the 27th JULY, 1946.

Canvassing, either directly or indirectly, will disqualify.

By order,
H. BACKHOUSE,
Town Clerk.

Town Hall,
Edmonton, N.9.
28th June, 1946.

COUNTY BOROUGH OF BOOTLE.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF HIGHWAYS FOREMAN.

Applications are invited for the appointment in the Borough Engineer and Surveyor's Department of a HIGHWAYS FOREMAN at a weekly wage for a 44-hour week of £6 17s. 6d., which is computed and regulated by the adding of 6d. per hour to the rate paid to Paviors and Flaggers.

Applicants must have served an apprenticeship to the trade of either Paving or Flagging, be skilled tradesmen, and capable of all setting out, requisitioning of materials and keeping records. They must also have had extensive experience with a Local Authority in organising and supervising all types of highway and sewer construction and maintenance, and controlling men, transport and plant.

Applications, on forms to be obtained from the Borough Engineer and Surveyor, Town Hall, Bootle, Liverpool, 20, accompanied by copies of three recent testimonials, endorsed "Highways Foreman," must be delivered to the Borough Engineer and Surveyor not later than 10 a.m. on FRIDAY, the 12th JULY, 1946.

By order,
HAROLD PARTINGTON,
Town Clerk.

Town Hall,
Bootle.
20th June, 1946.

BOROUGH OF SURBITON.

BOROUGH SURVEYOR'S DEPARTMENT.

APPOINTMENT OF BUILDING INSPECTOR.

Applications are invited for the appointment of an additional BUILDING INSPECTOR, at a salary in accordance with Grade A.P.T./1 of the National Scheme of Conditions of Service, namely, £350 per annum, rising by annual increments of £15 to a maximum of £395 per annum, plus bonus, which is at present at the rate of £59 16s. 10d. per annum. The salary stated includes the weighting for the London area.

Applicants should hold the Building Inspector's Certificate of the Institution of Municipal and County Engineers, or the Final Examination (Building Section) of the Chartered Surveyors' Institution or the Building Surveyor's Diploma of the Royal Institute of British Architects or similar qualifications.

Housing accommodation will be made available as soon as possible for the successful applicant at a rent to be agreed.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the successful candidate passing a medical examination. Applications, on forms to be obtained from the undersigned, must be delivered not later than 22nd JULY, 1946.

Canvassing, either directly or indirectly, will disqualify.

R. H. WRIGHT,
Town Clerk.

Council Offices,
Surbiton.

HIS MAJESTY'S COLONIAL SERVICE.

THE COLONIAL ENGINEERING SERVICE.

A TOWN PLANNER is required by the GOVERNMENT OF UGANDA for a period of three years in the first instance. Applicants must be A.M.T.P.I. and have wide experience of the whole technique of town planning from the preliminary study of the area to the preparation of the master plan. The selected candidate would be required to advise the Government of Uganda on Town Planning and would be a member of the headquarters staff of the Government. Salary between £880 and £1,000 per annum, according to age and qualifications, plus cost-of-living bonus, with Colonial Service allowances laid down for Uganda. Income tax at East African rates. Free quarters partly furnished, or an allowance in lieu. Free passages for Officer and his wife once each way. Candidates, who must be British subjects and physically fit, should apply for application forms to the Director of Recruitment (Colonial Service), 15, Victoria-street, S.W.1.

LONDON COUNTY COUNCIL.

BRIXTON SCHOOL OF BUILDING,
FERNDALE-ROAD, S.W.4.

A PANEL of LECTURERS and INSTRUCTORS in the subjects indicated below for Evening and Part-time Day Classes to be held in the Session commencing September, 1946, is now being prepared. Persons desiring to be registered on the Panels should apply to the Secretary of the School for a form of application (stamped addressed foolscap envelope necessary).

Architectural Design and Drawing, Building Construction, Building Science, Building Geometry, Mathematics, Building and Quantity Surveying, Land Surveying (Theory and Practical), Drainage of Buildings, Sanitary Engineering, Heating and Ventilating, Structural Engineering (Steel and Reinforced Concrete), Builders' Book-keeping, Estimating and Pricing. Applicants should be engaged in building work and should be members of the Royal Institute of British Architects, Chartered Surveyors' Institution, Institution of Structural Engineers, Institution of Civil Engineers, Institute of Builders, or have other suitable qualifications.

Carpentry and Joinery, Brickwork, Plumbing, Plastering and Woodcutting Machinists' work. Applicants should hold the City and Guilds of London Institute Final Certificate in one of the trades mentioned, and should be competent to lecture in trade theory and in associated subjects (e.g., Geometry Calculations), as well as teach in workshop classes. Good industrial experience an essential qualification. (1576.)

METROPOLITAN BOROUGH OF DEPTFORD.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following temporary appointment:—

ONE SECOND-CLASS ENGINEERING ASSISTANT. Salary within the grade £375 per annum, rising by annual increments of £15 to a maximum of £450 per annum, together with cost-of-living bonus (at present £59 16s. per annum). Commencing salary will be according to experience and qualifications.

Applications in accordance with the terms and conditions of the appointment, details of which may be obtained from the undersigned, together with the prescribed form of application, must be delivered to me not later than 9 a.m. on WEDNESDAY, the 10th JULY, 1946. Canvassing in any form will be a disqualification.

ERNEST FIELD,
Town Clerk.

Deptford Town Hall,
New Cross, S.E.14.
21st June, 1946.

WOLVERHAMPTON AND STAFFORDSHIRE TECHNICAL COLLEGE.

Applications are invited for full-time appointment as

ASSISTANT IN THE BUILDING DEPARTMENT.

Applicants should be qualified to give practical and theoretical instruction in CARPENTRY and in General Building.

Burnham Technical Scale Salary for Assistants—£300 to £525 per annum by annual increments of £15—commencing salary in accordance with experience. Additions for degree and two years or more approved full-time study.

Further particulars from

F. LONSDALE MILLS,
Clerk to the Governors.

Education Offices,
North Street,
Wolverhampton.

ST. PANCRAS BOROUGH COUNCIL.

APPOINTMENT OF TEMPORARY BUILDING AND SURVEYING ASSISTANT.

Applications are invited for the above temporary appointment in the Borough Engineer and Surveyor's Department.

Duties will include the preparation of Measured Builders' Work, Pricing and Estimating, and Preparation of Specifications for Purchase of Materials, Plant and Stores in connection with the Council's direct labour building organisation. Salary between eight guineas and ten guineas per week (plus consolidated addition of £1 14s. 7d. per week) according to qualifications and experience.

Applicants should state age, qualifications, details of training and experience, and are to submit not more than three recent testimonials. Applications should reach the undersigned not later than 12th JULY, 1946.

R. C. E. AUSTIN,
Town Clerk.

Town Hall,
Euston Road,
N.W.1.

BOROUGH OF CHELMSFORD.

Applications are invited for the following appointments in the Borough Engineer and Surveyor's Department:—

(a) BUILDING INSPECTOR, at a salary within the scale £310-£355, plus current cost-of-living bonus. The salary is subject to any variation the Council may decide when the National Scales are adopted. A car is available for the Inspector's use when necessary. The appointment is subject to the Council's Staff Regulations and to the provisions of the Local Government Superannuation Act, 1937, the successful applicant being required to pass a medical examination.

Applicants should hold the Building Inspector's Certificate of the Institution of Municipal and County Engineers or its equivalent, and should be capable of examining and reporting on deposited plans, inspecting building work, and dealing with applications for building licences.

(b) CLERKS OF WORKS (two), Temporary Appointments. Applicants should have had considerable building experience, including erection of houses under Contract, and are asked to state salary required.

Applications for above appointments, giving age, qualifications, appointments held, date when services available, and accompanied by copies of two recent testimonials, to reach the undersigned not later than 16th JULY, 1946.

VINCENT J. WILLIS, M.Inst.M.&Cy.E.,
Borough Engineer and Surveyor.

Municipal Offices,
Duke Street,
Chelmsford.

SOLIHULL URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited from suitably qualified persons for the following appointments in the Department of the Engineer and Surveyor:—

SENIOR ENGINEERING ASSISTANT—£460-£15/£20-£510.

CLASS 1 ARCHITECTURAL ASSISTANT—£390-£15-£435.

Bonus is payable in addition at the rate of £59 16s. p.a.

The appointments will be terminable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination.

Applications, on the prescribed forms, which can be obtained from my office, are to be returned to me appropriately endorsed not later than WEDNESDAY, 10th JULY, 1946.

ROSAMOND TAYLOR,
Deputy Clerk of the Council.

The Council House,
Solihull.
21st June, 1946.

COUNTY BOROUGH OF GATESHEAD.

COUNTY BOROUGH OF GATESHEAD, BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments:—

1. THREE QUANTITY SURVEYORS. Preference will be given to applicants who have passed the Final Examination of the Surveyors' Institute, and should be capable of taking off, abstracting, billing of quantities, the adjustment and settlement of builders' accounts.

The salary will be in accordance with the A.P. and T. Division of the National Scale of Salaries (for qualified assistants over 25: £460-£15-£510, plus cost-of-living bonus).

2. TWO JUNIOR ARCHITECTURAL ASSISTANTS, who must be good Draughtsmen, have a knowledge of Building Construction, and some experience in Design. Preference will be given to Students of the Royal Institute of British Architects.

The salary in this case will be Grade I of the A.P. and T. Division of the National Scales (£330-£15-£375), plus cost-of-living bonus.

3. ONE CLERK OF WORKS, who should have previously served in a similar capacity and should have a sound knowledge of the Building Trade in all its branches and should be capable of preparing schedules of materials required and in the supervision of work by direct labour.

Salary will be in accordance with A.P. and T. Division of the National Scales (£390-£15-£435), plus cost-of-living bonus.

4. MALE CLERK with Building Trade experience. Applicants should have been trained in a builder's office and should be fully conversant with preparation of schedules of materials, checking accounts, and should be capable of assisting the Quantity Surveyors in preparation of estimates.

Salary will be in accordance with the Miscellaneous Division, Grade I of the National Scales (£255-£15-£300), plus cost-of-living bonus.

The appointments will in the first place be temporary, but the persons appointed will be required to pass a medical examination and, if appointed to permanent positions, to contribute to the Local Government and Other Officers' Superannuation Fund.

Applications, on the prescribed form, which can be obtained from F. H. PATTERSON, Esq., M.I.M.& Cy.E., Borough Engineer, Municipal Buildings, Swinburne-street, Gateshead, must be received by him not later than MONDAY, 15th JULY, 1946.

J. W. PORTER,
Town Clerk.

22nd June, 1946.

COUNTY BOROUGH OF EAST HAM

EDUCATION COMMITTEE.
EAST HAM TECHNICAL COLLEGE.

Principal: A. J. JENKINGS, B.Sc., Ph.D., A.R.I.C.

Required: Full-time TEACHER OF PLUMBING. Minimum qualifications: Full Technological Certificate of the City and Guilds of London Institute or equivalent, and appropriate industrial experience.

The successful candidate will be employed jointly in the Secondary Technical School of Building and in the Building Department of the Technical College (senior part-time day and evening classes).

Salary in accordance with the Burnham Scales (London area). Industrial experience will be taken into account in fixing the commencing salary.

Forms of application and further particulars may be obtained from the undersigned, to whom completed applications must be returned not later than 19th JULY, 1946.

L. J. DYER,
Chief Education Officer.

Education Office,
Town Hall Annexe,
Barking Road,
East Ham, E.6.
20th June, 1946.

COUNTY BOROUGH OF CROYDON.

ARCHITECTURAL DIVISION.

THE BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited from qualified persons for the undermentioned posts on the established staff. The persons appointed will carry out their duties under the direction of the Principal Assistant Architect.

Applicants must have had a good general knowledge of the architectural work undertaken by a local authority (excluding schools), housing experience essential:—

TWO GENERAL ARCHITECTURAL ASSISTANTS—£440-£485 (Grade IV).

ONE ARCHITECTURAL ASSISTANT—£380-£425 (Grade II).

Plus War Bonus in each case (at present £59 16s. per annum).

If the successful candidate is unable to obtain reasonable living accommodation, the Corporation will endeavour to assist him.

Form of application may be obtained from the Borough Engineer, Town Hall, Croydon, and should be returned to me not later than 6th JULY, 1946.

E. TABERNER,
Town Clerk.

BOROUGH OF CHATHAM.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, at a salary of £390, rising by annual increments of £15 to a maximum of £435 per annum, plus cost-of-living bonus.

Applicants must have appropriate technical qualifications and have had experience in housing and other general Architectural work.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side.

The successful candidate will be required to pass a medical examination.

Applications, accompanied by copies of two recent testimonials, to be sent to the undersigned not later than 10.30 a.m. on WEDNESDAY, 10th JULY, 1946.

Canvassing, either directly or indirectly, will be a disqualification.

R. L. HONEY, F.R.I.B.A., F.S.I.,
Borough Engineer and Surveyor.

Town Hall,
Chatham.
21st June, 1946.

QUANTITY SURVEYOR WANTED.

WANTED by leading CONSTRUCTION COMPANY operating throughout New Zealand, and with head office situated in Christchurch, New Zealand, fully qualified and competent QUANTITY SURVEYOR. Must be quick and accurate at figures, and able to price all classes of general contracting work.

Fares returnable to the successful applicant after six months' service. Salary £700 per annum (New Zealand currency), plus substantial bonuses.

Apply by air mail, enclosing copies of references, sample of recent work, and photograph, to—

W. WILLIAMSON CONSTRUCTION CO., LTD.,
P.O. Box 116,
Christchurch,
New Zealand.

WHISTON RURAL DISTRICT COUNCIL.

Applications are invited for the following appointments in the Engineer and Surveyor's Department:—

(a) SENIOR PLANNING ASSISTANT. Salary £420—£465 (Grade IV);

(b) ASSISTANT BUILDING INSPECTOR. Salary £330—£375 (Grade I).

Cost-of-living bonus, at present £59 16s. per annum, and a car allowance of £60 per annum is payable in addition.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applicants for appointment (a) must have had previous experience in the preparation of planning schemes and in dealing with applications for development under the Interim Development Orders; and be experienced in the preparation of scale models.

Applicants for appointment (b) must have had previous experience in a similar capacity with a local authority and have a good general knowledge and experience of the building trades. He must be capable of examining in detail and preparing reports on deposited plans, and be qualified to assist in supervising the work of building development in the district as required under the Council's building by-laws.

Applications, stating age, qualifications, experience, etc., and accompanied by copies of not more than three recent testimonials, should reach the undersigned by first post on WEDNESDAY, 10th JULY, 1946.

WATSON GARBUTT,
Engineer and Surveyor.

Council Offices,
Whiston R.D.C.,
Near Liverpool.

CITY OF COVENTRY.

CITY ARCHITECTURAL DEPARTMENT.

The CORPORATION OF COVENTRY invites applications for the following whole-time permanent appointments in the City Architectural Department:—

ONE HEATING AND VENTILATING ENGINEER. Salary on Grade A.P.T.V (commencing at £460 and rising by two annual increments of £15 and one of £20 to £510).

ONE ASSISTANT HEATING AND VENTILATING ENGINEER. Salary on Grade A.P.T.I (commencing at £330 and rising by three annual increments of £15 to £375).

Salary increments are subject to satisfactory service. The above salaries are exclusive of the Council's cost-of-living bonus, which may vary, but which at present amounts to 23s. per week.

The work will consist of preparation of plans, specifications and drawings, and the preparing of estimates and obtaining tenders for this work, supervision of contracts and checking of accounts and the issue of certificates for payment. For the post of ENGINEER applicants should be qualified either with University Degree or Associate Membership of the Institute of Heating and Ventilating Engineers. For the post of ASSISTANT ENGINEER, applicants should be undergoing studies with the object in view of becoming qualified.

The posts are subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's Medical Referee. The persons appointed will be required to contribute to the Coventry Municipal Officers' Widows' and Orphans' Pensions Fund.

Application must be made on the form obtainable from the undersigned, and should be returned completed, together with copies of not more than three recent testimonials or names of three persons to whom reference may be made, not later than MONDAY, the 22nd day of JULY, 1946.

Canvassing, directly or indirectly, will be a disqualification.

D. E. R. GIBSON,
City Architect.

1a, Warwick-row,
Coventry.
28th June, 1946.

WEST SUFFOLK COUNTY COUNCIL.

Applications are invited for the appointment of a BUILDINGS INSPECTOR in the County Architect's Department on a salary scale of £330 × £15 to £375 per annum, plus cost-of-living bonus (at present £60 per annum). Position on scale according to qualifications.

Travelling allowance in accordance with County Scale.

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than 22nd JULY, 1946.

L. G. H. MUNSEY,
Clerk of the County Council.

Shire Hall,
Bury St. Edmunds,
24th June, 1946.

BOROUGH OF GILLINGHAM.

APPOINTMENT OF SENIOR TECHNICAL ASSISTANT.

Applications are invited for the appointment of a SENIOR TECHNICAL ASSISTANT in the Borough Engineer and Surveyor's Department. The successful applicant will be placed in Grade VI (Administrative, Professional and Technical Division), and subject to Conditions of Service of the National Joint Council for Local Authorities Administrative, Professional, Technical and Clerical Services.

Candidates, who must not be more than 45 years of age, must have had extensive experience in municipal engineering and local government administration, and must possess appropriate qualifications. Experience in the administration of Council Housing Contracts is essential.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, endorsed "Senior Technical Assistant," stating age, qualifications, experience, and present and past appointments, accompanied by three recent testimonials, to reach the undersigned not later than MONDAY, 22nd JULY, 1946.

Canvassing, directly or indirectly, will disqualify.

ROBERT BOOTH,
Town Clerk.

Municipal Buildings,
Gillingham, Kent.
28th June, 1946.

BOROUGH OF WALTHAMSTOW.

BOROUGH ARCHITECT'S DEPARTMENT.

APPOINTMENT OF PLANNING ASSISTANT.

Applications are invited for the appointment of PLANNING ASSISTANT in the Borough Architect's Department. Salary £300×£15–£345 per annum, plus War Bonus of £59 19s. 3d. per annum. The assimilation of officers to the National Joint Council's scales is under consideration.

Candidates should have had previous experience of Municipal Work, and preference will be given to candidates possessing an appropriate Planning Qualification.

The appointment is a permanent one and is subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

The appointment will be in accordance with the National Joint Council's conditions of service and will be terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned, endorsed "Planning Assistant," not later than SATURDAY 13th JULY, 1946.

Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member or official of the Council.

G. A. BLAKELEY,
Town Clerk.

Town Hall,
Walthamstow, E.17.
24th June, 1946.

ISLE OF WIGHT COUNTY EDUCATION COMMITTEE.

COUNTY BUILDING SCHOOL, EAST COWES.

HEAD MASTER: A. I. FISHER, B.Sc.

REQUIRED for September, a MASTER to teach BUILDING SUBJECTS and BUILDING DRAWING in the Senior Department (mainly part-time day craft courses) and in the Junior Building School. Applicants should have a sound knowledge of the Building Industry and preferably also hold a recognised qualification in Architecture, Building, Building Surveying, or in a Building Craft.

Salary in accordance with the Burnham Report.

Application forms (returnable within 14 days of appearance of advertisement) and further particulars of the post may be obtained from the undersigned on the receipt of a stamped addressed envelope.

A. L. HUTCHINSON,
Director of Education.

Education Offices,
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APPOINTMENT OF SENIOR PLANNING ASSISTANT.

Applications are invited for the appointment of SENIOR PLANNING ASSISTANT. The salary in accordance with the National Scale of Salaries, Grades IV/V–£400/£15/£530 per annum (plus cost-of-living bonus, at present £60 per annum).

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The appointment is subject to the condition of service laid down in the National Charter and is subject to the provision of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination, and appointment is subject to one month's notice on either side.

Applications, stating age, qualifications, present and previous appointments, and giving details of experience, should be forwarded, together with copies of three recent testimonials, to Mr. A. S. Knolles, M.I.C.E., Borough Engineer, Municipal Offices, Twickenham, and endorsed "Senior Planning Assistant," not later than TUESDAY, 16th JULY, 1946.

Canvassing, either directly or indirectly, will disqualify the applicant.

W. H. JONES,
Town Clerk.

Municipal Offices,
Twickenham.
19th June, 1946.

SURREY COUNTY COUNCIL.

NORTH-WESTERN AND SOUTH-WESTERN DIVISIONS.

Applications are invited from persons with appropriate practical experience for the appointment of a CLERK OF WORKS. The work in the first instance is in connection with inspection of school buildings in the above divisions, issuing orders for repairs and preparation of schedules for redecoration. (The North-Western and South-Western Divisions comprise that part of Surrey lying west of a line Walton-upon-Thames—East Clandon—Ewhurst (inclusive), with offices at Woking and Guildford respectively.)

Applicants must have a sound knowledge of all building trades and of the preparation of small specifications for maintenance repairs. Salary scale £300–£400 per annum, plus bonus.

Applications, stating details of training and experience, should be forwarded to the Chief Education Officer, County Hall, Kingston-upon-Thames, not later than 11th JULY, 1946.

SLEAFORD URBAN DISTRICT COUNCIL.

CLERK OF WORKS.

Applications are invited from qualified persons for the temporary appointment of a CLERK OF WORKS to supervise the erection of permanent houses by contract.

The salary will be between £365 and £420 per annum, according to the qualifications and experience of the person appointed. The appointment will be terminable by one month's notice on either side.

Applications, endorsed "Clerk of Works," stating age, present appointment and experience, accompanied by copies of two recent testimonials, should be forwarded to the undersigned not later than 3rd JULY, 1946.

G. B. HEMPSTEAD,
Clerk of the Council.

Council Offices,
19, Jermyn-street,
Sleaford, Lincs.
13th June, 1946.

WITHAM URBAN DISTRICT COUNCIL.

APPOINTMENT OF CLERK OF WORKS.

Applications are invited from persons with the necessary experience and qualifications for the post of CLERK OF WORKS for a Housing Scheme consisting of the erection of 64 permanent houses at Witham. The appointment is a temporary one, terminable by one month's notice on either side. The salary is £8 8s. per week.

Applications, stating age, past and present employment, experience and qualifications, should be forwarded to the undersigned, accompanied by copies of two recent testimonials, not later than 5th JULY, 1946.

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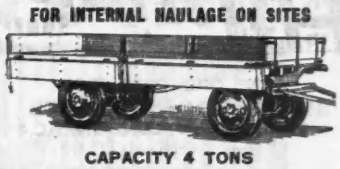

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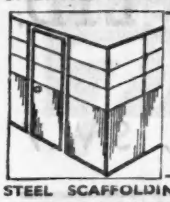

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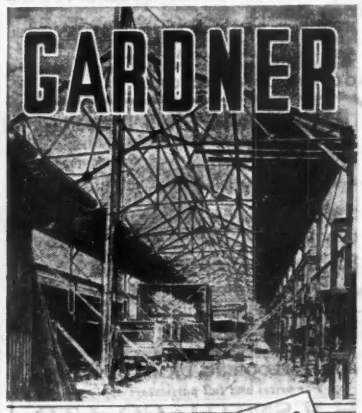

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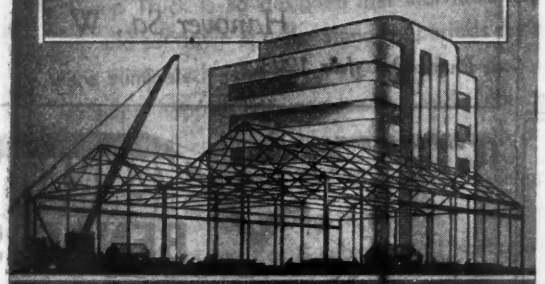

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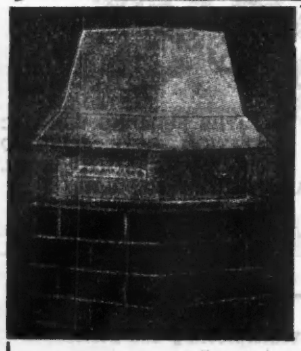

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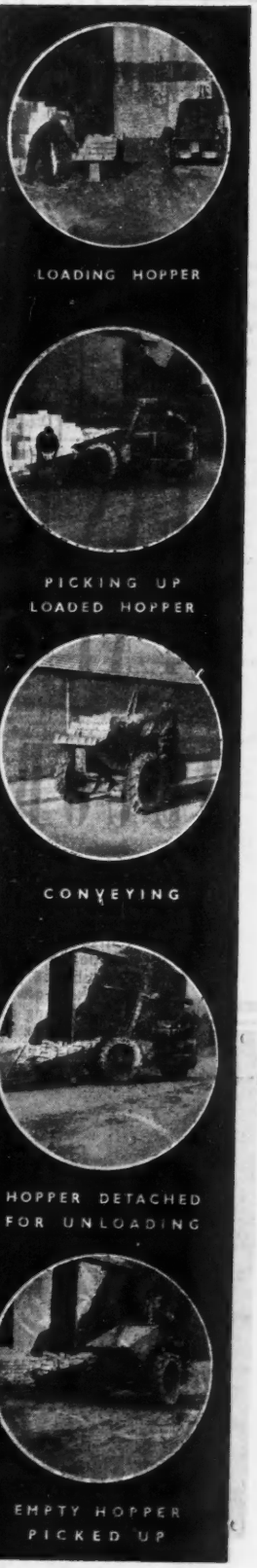

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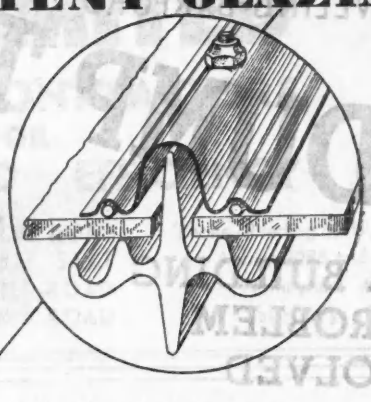

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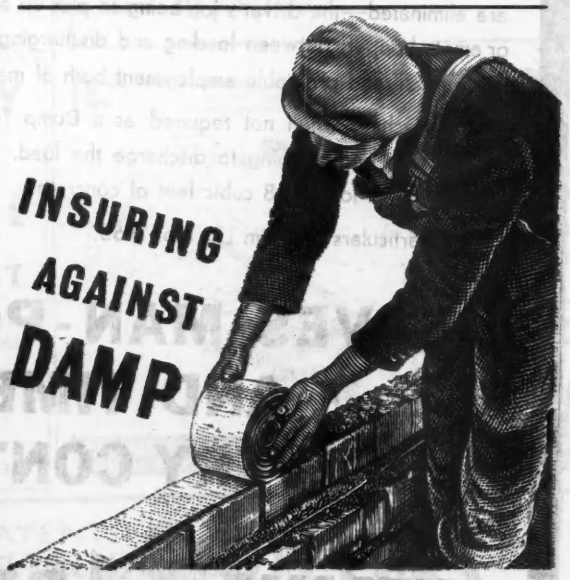

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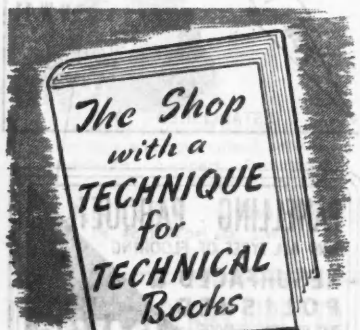

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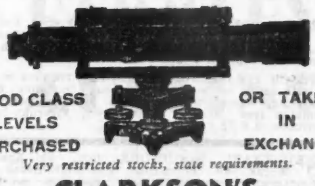

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ENGINEERING ASSISTANT Required, able to take off quantities, prepare certificates, and assist with setting out site organisation.—Apply, JOHN GRAHAM & SONS, Belvedere, Kent.

TECHNICAL ASSISTANT, S.E. London. Middle-sized Firm.—Write, stating experience, etc., and salary required, to Box 1487, "The Builder," W.C.2.

APPLICATIONS are invited to fill the following vacancies on the staff of a progressive London practice:—

(1) ASSISTANT MEASURING SURVEYORS to prepare war damage, deferred repair and dilapidation schedules. Salary scale £7 to £10.

(2) ASSISTANT ESTIMATOR, capable of pricing all classes of general building work and preparing specifications. Junior Assistant would be favourably considered. Salary according to experience.

(3) ARCHITECTURAL DRAUGHTSMAN, capable of completing site surveys and preparing drawings in connection with war damage reinstatement. Salary scale £5 10s. to £6 10s.

(4) YOUNG LADY to operate telephone switchboard and for general office duties. Salary scale £3 10s. to £4 10s.

(5) COPY TYPISTS, preferably with experience in Surveyor's or Contractor's Office, but not essential. Salary scale £3 10s. to £4 10s.

Applicants should write, stating age, experience, when available, and under which heading they wish to be considered. These vacancies carry progressive appointments and offer excellent opportunities to suitable applicants.—Box 1443, "The Builder," W.C.2.

RESIDENT ENGINEER Required for Cairo, with sound knowledge of reinforced concrete construction and good working knowledge of building construction and the usual services, including the installation of heating and ventilating plant. Knowledge of French an asset. Duration of stay abroad approximately one year. Remuneration on the basis of equivalent English salary, plus all expenses abroad. Applicants should be prepared to travel within 2-4 weeks.—Box 1536, "The Builder," W.C.2.

QUANTITY Surveyors have vacancies in London for BUILDERS' ESTIMATORS experienced in war damage specifications with rough quantities. State age, salary, and when free, and give particulars of past training.—Box 1442, "The Builder," W.C.2.

ESTIMATOR required, with knowledge of precast concrete and cast stone products. Londos area. Reply, stating experience, age and salary required for permanent position.—Box 1445, "The Builder," W.C.2.

ESTIMATOR and SURVEYOR Required for Building and Civil Engineering Works. Experience in civil engineering work essential. Substantial salary will be paid to first-class applicant.—Apply, JOHN GRAHAM & SONS, Belvedere, Kent.

ESTIMATOR/SUPERVISOR required by old-established London Builders personally to control from inquiry to final account works ranging from maintenance to jobs £2,000 and upwards. The position is permanent with a participating interest.—Box 1462, "The Builder," W.C.2.

ESTIMATOR/CLERK required by Building Contractors in the London area, should be conversant with office routine. Salary £400 to £500, according to qualifications and experience.—Box 1404, "The Builder," W.C.2.

ASSISTANT ESTIMATOR Required, with prospects of future complete control of Building Contractors' Estimating Department. State age, general and technical education, past and present engagements with details of work carried out, salaries received from each, and names of employers who will supply references. Replies treated as confidential.—Apply, GOUGH COOPER & CO., Ltd., Wilmington, Kent.

ESTIMATOR Required for old-established Builders in East London.—Apply, giving particulars of qualifications, experience, and salary required, to Box 927, "The Builder," W.C.2.

CIVIL Engineering Contractors Require ASSISTANT ESTIMATOR for Head Office Department. Applicants should possess experience of estimating for Building and Civil Engineering work, and should write, stating age, experience, and salary required, to W. & C. FRENCH, Ltd., Buckhurst Hill, Essex.

ESTIMATOR Required by large established Yorkshire Firm of Building and Civil Engineering Contractors. Previous estimating and building surveying experience, ability to supervise staff, and interest in permanency essential. Interest in planning and progressing of contracts desirable. Good prospects and salary. House available.—Reply in own handwriting, stating age, positions held, experience, and salary required, Box 1389, "The Builder," W.C.2.

ESTIMATOR/SURVEYORS and MEASURING SURVEYORS Required by North London Firm of Building and Civil Engineering Contractors. Progressive and permanent positions.—Write, stating age, experience, and salary required, to Box "M. S.," c/o J. W. VICKERS & CO., Ltd., 7 and 8, Great Winchester-street, E.C.2.

BUILDING ESTIMATOR Wanted, able to price bills, take off own quantities, measure variations, and prepare final accounts. Only man with wide experience and full knowledge of the trade considered.—Apply, with particulars of experience, and salary required, to T. BINGHAM & CO., Ltd., 4, The Broadway, Wimbledon, S.W.19.

ESTIMATOR Required for progressive Building and Civil Engineering Contractors in South-East England. Accustomed to measuring, estimating and final accounts. Permanency and excellent prospects.—Write, Box 1528, "The Builder," W.C.2.

CLERK OF WORKS Required for large Warehouse, Aldershot. Contract time approximately two years. Only fully competent and experienced men need apply, with full particulars, references, etc. Salary up to £650 per annum.—Apply to the ARCHITECT, TIMOTHY WHITES & TAYLORS, Ltd., 70, Vauxhall Bridge-road, London, S.W.1.

CLERK OF WORKS Required by Local Authority in Kent, to superintend erection of permanent Houses.—Full particulars, age, and salary required, to MR. LAWRENCE FARMAN, F.R.I.B.A., 42, Richmond Park-road, London, S.W.14.

CLERK OF WORKS, not over 35. Sound technical training and experience of general building works. Some engineering knowledge an advantage. Must be good draughtsman, able to take responsibility for maintenance and development of factory buildings. West London area.—Write, stating qualifications, experience, and salary expected, to Box 0500, c/o DIXONS, 43, Gt. Marlborough-street, W.1.

CONTRACTS MANAGER required by well-established progressive South London Building and Public Works Contractors. Applicants must have proved ability and have held successfully the position of Senior Quantity Surveyor-Estimator. Satisfactory remuneration and wide prospects are open to the successful applicant. Age preferred 40 to 50 years. Must be able to drive car. Replies, which will be treated in confidence, must state in full, age, qualifications, experience, salary required, date available, to Box 1447, "The Builder," W.C.2.

WANTED immediately.—Keen and experienced man to take charge of Contractors Branch Office in Ipswich. Able to control jobs under Head Office supervision (mostly Air Ministry Term Contracts), interview Architects and Surveyors and generally assist in controlling office and outside work. Must have sound experience of W.D. Schedules.—Apply with references, HAYMILLS (CONTRACTORS), Ltd., Hanger Green, Western-avenue, Ealing, W.5.

OUTSIDE MANAGER Required by m'd-Kent Builders to control works ranging from maintenance to jobs of £2,000 or more. Must be able to drive car.—Apply, with full details, to Box 1478, "The Builder," W.C.2.

BUILDER'S OUTSIDE MANAGER or SUPERVISOR for Contracts, Alterations, Reconstruction and Jobbing, including supervision of small Joinery Works.—Send details of experience and full particulars to WILLIAM A. FUSSELL, 23-24, Orchard-place, Southampton.

CONTRACTS MANAGER Required for West of England Area. Qualifications: considerable experience of building houses in large numbers; capable of building up and taking full control of large erection organisation. An exceptional opportunity will shortly be open for a man of outstanding energy and powers of organisation with an established record of success in this field.—Write, with full particulars of experience in chronological order, copies of testimonials, and salary required, to Box 1544, "The Builder," W.C.2.

GENERAL FOREMAN, Carpenter by trade, Wanted for private reinforced concrete contracts. Must be willing to work in provinces.—Applications in writing first to TILEMAN & CO., Ltd., 203, Knightsbridge, London, S.W.7.

WANTED, GENERAL FOREMAN for a permanent works near Warrington engaged in the manufacture of precast concrete goods, including pipes.—Full details to Box 1446, "The Builder," W.C.2.

GENERAL FOREMAN required by London contractors for West Midland housing contract. Must be first-class man, good organiser. Only men with good references and Post War experience need apply.—Reply, giving full details of experience, age, salary required and when free, to Box 1464, "The Builder," W.C.2.

MANAGING SUPERVISOR Required immediately to undertake and organise the erection of several large factories in the Cardiff area. Must have sound practical experience and expert knowledge of building construction. Excellent prospects for the right man.—Write fully, stating age, experience and salary, to FRANK BATTY & SMITH, Ltd., Building and Civil Engineering Contractors, 18, Spring-street, W.2.

WORKING GENERAL FOREMAN Required by Building Contractors. Good opportunity for right man.—Box 1524, "The Builder," W.C.2.

GENERAL FOREMAN Required for reconstruction work in N.E. London. Must be a practical tradesman with sound experience of all trades.—Write, stating age, experience, and salary required, Box 1422, "The Builder," W.C.2.

DECORATOR'S SENIOR WALKING FOREMAN, age 40 to 50, required by well-established London contractor, supervising high-class and commercial work. London and provinces. Car provided. Permanent position. Only those holding or having held similar position considered.—Write, giving full particulars, age, salary required, etc., Box 1407, "The Builder," W.C.2.

BUILDING FOREMAN Wanted by Contractors for work in London area.—Write in first instance to ARUP & ARUP, Ltd., Colquhoun House, Broadwick-street, W.1, stating fullest particulars, previous experience, and salary required.

WORKING FOREMEN or CHARGE HAND PAINTERS Required by West London Firm of Building Contractors. War damage and good-class reconstruction work. Good prospects.—Box 1432, "The Builder," W.C.2.

FOREMAN to rebuild Ten Detached Adjacent Residences, East Sheen (sited flat).—Applications, stating salary and qualifications, to Box 1391, "The Builder," W.C.2.

AGENT or GENERAL FOREMAN for large Housing Contract in the Midlands. State previous experience and salary.—B. WHITEHOUSE & SONS, Ltd., Monument-road, Birmingham.

GENERAL Foreman required for London work. Carpenter and Joiner by trade preferred, but not essential; must be used to London conditions and willing to take charge of small jobs for the time being, with a view to taking charge of larger contracts later. Would become eligible for superannuation scheme.—Reply, stating age, experience and salary required, to Box 1475, "The Builder," W.C.2.

GENERAL Foreman required for Contract in Manchester. Permanent position to right type of man.—Reply, stating age, experience, salary required, etc., to Box 1472, "The Builder," W.C.2.

GENERAL FOREMAN for new Midlands factory producing Building Slabs. Some experience precast Slab manufacture an advantage.—Box 1468, "The Builder," W.C.2.

FIRST-CLASS GENERAL FOREMEN Required for large housing schemes. Must have experience in modern housing construction and be willing to take up position in Midlands or South.—Apply, stating age, wage, and details of experience, to Box 1479, "The Builder," W.C.2.

FOREMAN, experienced in Precast Concrete construction.—Box 1481, "The Builder," W.C.2.

FOREMAN DECORATOR Required by old-established Firm. Must possess wide experience in all classes of work, and ability to estimate essential. Progressive job for energetic and capable man.—Write, stating experience, and salary required, to Box 1482, "The Builder," W.C.2.

FOREMEN.—Wanted immediately, C. and J. Leading Hands, age 25 to 35, to start as General Foremen on small contracts. Good opportunity of advancement for young men, keen, conscientious, and willing to learn.—Apply, stating age and experience, to McLAUGHLIN & HARVEY, Ltd., 24, Highbury-grove, London, N.5.

BUILDING SUPERVISOR Required by Civil Engineering Contractors to manage large building operations in Middle East. Must be first-class man (not over 40) with experience of all phases of building construction. Required to work under general orders of Company's Area Agent.—Write, stating salary required, and giving complete details of experience, to Box 1490, "The Builder," W.C.2.

GENERAL FOREMAN Required. South-West district. Good salary, and opportunity of advancement. Energy and drive essential.—Apply, Box 1492, "The Builder," W.C.2.

BUILDER'S FOREMAN Required for work in the Midlands. Excellent prospects for a young, energetic man, with supervisory experience of subtrades and competent eventually to undertake duties of General Foreman. The position offers wide scope and prospect of transfer to permanent staff pension scheme.—Write, giving details of experience, salary required, age, etc., and date when free, to TARSLAG, Ltd., Dunstall-road, Wolverhampton.

OVERSEAS EMPLOYMENT.—PUBLIC WORKS FOREMAN Required for service in Middle East, for a tour of 27 months. Should have good experience of sewer work, handling heavy pipes up to a diameter of 54 inches, and knowledge of pneumatic caulking. Age not over 40. Salary £720, plus cost-of-living allowance of £265 per annum.—Applications should be made in writing, stating date of birth, full details of qualifications and experience, including present employment, to Box 1510, "The Builder," W.C.2.

WANTED.—WORKING FOREMAN for small Builder's Business. Experienced in all trades. Good references essential.—Box 1513, "The Builder," W.C.2.

SHOPFITTING FOREMAN or CHARGE HAND METAL WORKER Required. Must be experienced in metal shopfront, showcase and letter construction. First-class prospects. Permanent progressive post.—Write, stating age, full experience, and wages required, to the UNIVERSAL SHOPFITTING CO., Ltd., Kangley Bridge-road, S.E.26.

GENERAL FOREMAN Wanted by East London Contractor for fixed-price war-damage repair contract in Peckham, S.E.15. Must be good organiser and experienced in all trades.—Write, with past experience, age, and salary required, to Box 1527, "The Builder," W.C.2.

GENERAL FOREMAN Required for large Housing Contract in the London area.—Apply, giving full details of experience, age, salary required, etc., to Box No. 0357, KNOX & HARDY, Ltd., 72-78, Fleet-street, E.C.4.

WALKING FOREMAN Wanted, used to good-class jobbing and small contract work. Preferably resident in Hertfordshire.—Box 1542, "The Builder," W.C.2.

OUTSIDE FOREMAN/SUPERVISOR Required by Builders in Brighton area to supervise small works and jobbing department. All-round knowledge of the trade essential, and must be able to prepare small estimates. Good disciplinarian essential.—Apply, stating age, full details of experience, and salary required, to Box 1535, "The Builder," W.C.2.

REINFORCED Concrete Foreman required immediately by London firm for Contract in South Wales.—Write, stating age, experience and salary required, Box 1469, "The Builder," W.C.2.

GENERAL FOREMAN Required for large block L.C.C. Flats, East London.—Age, wages and exp. to Box 1534, "The Builder," W.C.2.

ASSISTANT SHOP FOREMAN Required for Home Counties General Metalwork Shop. The work embraces drawn mouldings, grille work and non-ferrous assembly, together with smith's work, sheet metalwork, plating and finishing in all its branches. Applicant should be aged about 35 and have a good general knowledge of the above, be a good disciplinarian, and be prepared to take complete control, in due course.—Apply, Box 1533, "The Builder," W.C.2.

GANGERS, STEEL FIXERS, TIMBERMEN, PIPE-LAYERS and GENERAL LABOURERS Required on Contract near Woodford, Essex. Should live within daily travelling distance.—Apply in person, by 'phone or in writing, to RICHARD COSTAIN, Ltd., L.C.C. Housing Estate, Romford-road, near Chigwell Row, Grange Hill, Essex. Telephone: Hainault 3534.

REPRESENTATIVES Required on 10 per cent. commission basis having established contact with the local authorities and builders engaged on building schemes and war-damage repairs for areas: London north of the Thames, Liverpool-Birkenhead Manchester, Plymouth-Exeter, Southampton-Portsmouth-Bournemouth-Weymouth, Sussex coast. Excellent opportunity on accessories in large demand.—Apply, Box 1402, "The Builder," W.C.2.

CAPABLE and keen BUYER Required for Bayswater Office. Must have had technical and practical training and experienced in taking off own detailed particulars and order materials in all trades. Salary £350-£400 per annum.—Box 1489, "The Builder," W.C.2.

REPRESENTATIVE (salaried) Wanted for Joinery Trade, experienced at taking measurements on buildings. Practical Joiner an advantage. Applications by letter only.—J. G. CHERRINGTON, Joinery Mills, Gerrards Cross.

CLERK wanted. Full knowledge of wages, P.A.Y.E., and prime cost book-keeping essential. Old-established Central London Builders. Write, giving full particulars, age, sex, experience and salary required.—Box 1449, "The Builder," W.C.2.

BURROUGHS CALCULATING MACHINE OPERATOR required. Good wages. N.W.2 area. Please write with full particulars of experience. Willing to train intelligent interested person.—Box 1451, "The Builder," W.C.2.

NATIONAL ACCOUNTING MACHINE OPERATOR required for wages and Pay-As-You-Earn. Good wages and conditions. N.W.2 area. Please write with full particulars of experience, etc.—Box 1452, "The Builder," W.C.2.

LARGE London Builders' Merchants have vacancy for young ORDER CLERK; experience heavy side preferred. State age, experience, and salary required.—Box 1457, "The Builder," W.C.2.

EXPERIENCED BUILDER'S CLERK Required to manage office of progressive and expanding firm of Building Contractors near Sutton, Surrey. Book-keeping, accounts, costing, P.A.Y.E., etc. Good salary and prospects for the right applicant. Also required, efficient SHORTHAND-TYPIST, male or female. Please state age, experience, references, and salary expected.—Box 1461, "The Builder," W.C.2.

PRIME COST CLERK required immediately by Quantity Surveyor for Contractors' War Damage Accounts in London. Experience under M.H.P.C.1 essential.—Particulars to Box 1409, "The Builder," W.C.2.

EXPERIENCED CHIEF COST CLERK and BOOK-KEEPER Required for Builders' office in South-East Coast Town. Must have full knowledge of the building trade and all-round experience.—Write, stating age, salary, experience, and full references, Box 1410, "The Builder," W.C.2.

BONUS CLERKS Required, experienced in the application of P.B.R. on contracts covered by the E.W.O.—Apply, KIRK & KIRK, Ltd., 287, Upper Richmond-road, Putney, S.W.15.

WANTED for Builders' office, SHORTHAND-TYPIST, and to assist with wages, P.A.Y.E., etc.—Apply, McMANUS & CO., Ltd., 1111, High-road, Whetstone, N.20.

PRIVATE SECRETARY Required to Directors of well-known S.W. London Builders' office.—Write for interview, stating age, salary required, speeds, to Box 1395, "The Builder," W.C.2.

B./L. and COST CLERK Required immediately, must be conversant with the building trade, for Head Office of London Building Contractor.—Box 1386, "The Builder," W.C.2.

CAPABLE BUILDER'S CLERK Required. N.W. London. Experience in keeping cost and stores records, rendering invoices, etc. Please write, giving full particulars of experience, age, and salary required.—Box 1392, "The Builder," W.C.2.

HEATING Contractors Require ACCOUNTS CLERK. Good prospects for young, active man. One having experience of preparing building or allied contractors' final accounts might suit. Westminster area. Five-day week. State age, experience, and salary required.—Box 1393, "The Builder," W.C.2.

COSTING CLERK Wanted for Builder's office, W.C.2.—Write, stating experience, etc., to Box 1394, "The Builder," W.C.2.

ACCOUNTANT required by Surveyor for preparing final accounts in connection with MH/PC/I war damage contracts. Salary £450 per annum. State age and experience.—Box 1467, "The Builder," W.C.2.

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EXPERIENCED SHORTHAND-TYPIST Required; also JUNIOR MALE CLERK.—Apply, stating age, experience, and salary required, JAMES RUGG & SON, Ltd., 165, Earl's Court-road, S.W.5.

BOOK-KEEPER.—Experienced Young Lady Required for Civil Engineers, S.W.1. Knowledge to trial balance preferred. Good prospects for competent person.—Write experience, age, salary required, Box 1485, "The Builder," W.C.2.

EXPERIENCED BUILDER'S CLERK Required for small but progressive firm at Forest Row, near East Grinstead, Sussex. Must be capable of preparing estimates for new work, alterations, maintenance, etc., dealing with civil licensing formalities and applications for materials, rendering final accounts, and generally co-operating in the organisation of the business. Vacancy due to decease of former valued employee.—Apply, ALBERT TURNER, Builder, The Square, Forest Row, Sussex.

LADY CLERK for Builder's office near Willesden Green (Met.) Stn. Wages, time-sheets, costing, typing; shorthand advantage.—Box 1511, "The Builder," W.C.2.

EXPERIENCED SHORTHAND-TYPIST Required by Building Contractors, Victoria area.—Apply, giving details of experience, age, and salary required, to Box No. 0355, KNOX & HARDY, Ltd., 72-78, Fleet-street, E.C.4.

TELEPHONIST Required by Building Contractors, Victoria area.—Apply, giving details of experience, age, and salary required, to Box No. 0356, KNOX & HARDY, Ltd., 72-78, Fleet-street, E.C.4.

CIVIL ENGINEERING and Building Contractors Require, for City Office, BOOK-KEEPER and COSTINGS CLERK; also JUNIOR SHORTHAND-TYPIST.—Write, with particulars of age, experience, and salary required, Box 1543, "The Builder," W.C.2.

SHORTHAND-TYPIST Required by Building Contractors, E.C. district. Previous experience of the building trade an advantage, but not essential. Salary required, etc., to Box 1539, "The Builder," W.C.2.

SHORTHAND-TYPIST for Surveying and Building Department of large organisation, E.C. district. Previous experience of the building trade, or Surveyors, an advantage, but not essential.—Particulars of experience, salary required, etc., to Box 1540, "The Builder," W.C.2.

HARRY NEAL, Ltd., hope that, when released from the Forces, all their old employees will apply to them for reinstatement. Work available all trades London district and elsewhere.—Call or write to 117, Baker-street, W.1.

WEST AFRICA.

BUILDERS required, age 25-40, for building and steelwork construction. Should be qualified tradesmen with experience in quantities, specifications, and able to prepare working details. Experience as Clerk of Works and/or experience in supervision of constructional steelwork would be an advantage.

Salary £600/£700 per annum, according to ability and experience (particularly West African). Separation and children's allowances to married men. Tour of 21 months' duration, free passages, furnished quarters, medical attention and membership to pension fund.

Write, giving full particulars, to Box 1186, c/o CHARLES BARKER & SONS, Ltd., 31, Budge-row, London, E.C.4.

FERRO-CONCRETE and HOLLOW TILE FLOOR COMPANY Require experienced man, tradesman preferred, to assist in supervising and organising of labour and contracts generally. Applicants should state particularly trade, and actual work engaged upon prior to taking up duties in supervision.—Box 1403, "The Builder," W.C.2.

BUILDER'S ASSISTANT (age 32-42), experienced in preparing specifications, estimating and quantities, housing and industrial work, and used to supervising work at all stages. Must be of good address and able to interview Architects, Officials, etc. Good references essential. Salary £600 per annum.—Apply, Box 1408, "The Builder," W.C.2.

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PLUMBING DEPARTMENT ASSISTANT Required by old-established leading firm of Sanitary and Heating Engineers in Central London. Knowledge of estimating, quantities, supervision and measuring for accounts.—Write, stating age, experience, and salary required, to Box 1548, "The Builder," W.C.2.

REQUIRED.—Experienced JOINER for the maintenance of 15 retail branches. To work with and be in charge of three men. To maintain interior fittings and fixtures. Slight knowledge of electrical repairs an advantage.—Write, stating age, salary and experience, to Box 926, "The Builder," W.C.2.

SETTER-OUT in Trade Joinery Works. Interesting and permanent job for applicant with suitable experience.—Apply, giving details of experience and wages, Box 928, "The Builder," W.C.2.

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BRICKLAYERS Required. Continuous work available on long-term contracts in the London area.—Report LABOUR OFFICER, GEE, WALKER & SLATER, Ltd., Tufnell Park-road, Islington, N.7, or telephone North 4236 between 8-10 mornings or 3-5 afternoons.

WANTED.—BRICKLAYERS for Housing Schemes and Tenements. London area.—Apply, UNIT CONSTRUCTION CO., Ltd., Kidbrooke Housing Site, Rochester-way, S.E.3; or 38, Millbank, S.W.1.

BRICKLAYERS Wanted on Housing Contract at Stourport on Severn.—Apply, W. WEAVER, Ltd., Contractors, Bromsgrove, Worcs.

WORKING FOREMAN BRICKLAYERS Required. Used to housing schemes and control of labour in general. Knowledge of mechanical excavators, concrete mixers. For Contract, Redditch, Worcs.—Apply, giving experience and wages, to W. WEAVER, Ltd., Contractors, Bromsgrove, Worcs.

SITUATIONS WANTED, ETC.

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ARCHITECTS and BUILDERS requiring efficient CLERKS OF WORKS or FOREMEN are requested to apply to—
MR. L. SMART,
11, Chase Cross-road, Romford, Essex.
This Institution (established 1842) provides Pensions for their old Members, their Widows and Orphans, and invites all eligible men who have not attained the age of 50 years to join as Ordinary Members, and over this age as Associate Members, and so assist to maintain the status and promote the interests of Builders' Foremen and Clerks of Works.

THE LONDON ASSOCIATION OF BUILDERS' FOREMEN AND CLERKS OF WORKS, MEMORIAL HALL, FARRINGDON-STREET, LONDON, E.C.4.
EXPERIENCED FOREMEN AND CLERKS OF WORKS can be obtained by applying to the Secretary, MR. A. G. RAVEN,
45, Beechdale-road, Brixton, S.W.2.
'Phone: Tulse Hill 5761.
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CHARTERED ARCHITECT, F.R.I.B.A., terminating his present appointment of Architect to large Company for personal reasons, desires position in London or South-East England. Considerable experience in commercial and industrial work, with complete control of office and job from inception, also building with direct labour. Age 38. Energetic, with modern ideas. Salary required, approx. £1,000 p.a., or basic and commission.—Box 1414, "The Builder," W.C.2.

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"CAN I HELP YOU?" I have on my staff Architectural and Civil Engineering Draughtsmen, Building, Estimating, Land, Measuring and Quantity Surveyors.—Write, O. F. RUMBLE, 29/31, Whitehall, S.W.1. Tel.: WHItehall 8514.

DRAWING OFFICE ORGANISATION, with qualified and experienced Engineers and Draughtsman, is in a position to undertake the development of schemes and ideas, the preparation of calculations, designs, estimates and bills of quantities, working and Patent Office drawings, tracings, etc., for all types of engineering work.—Write in the first instance to Box 1412, "The Builder," W.C.2.

DRAUGHTSMAN, with Architectural and Civil Engineering experience, sound knowledge of building construction and survey, some knowledge of quantities, desires interesting appointment, not necessarily as Draughtsman, in London or Home Counties.—Box 1501, "The Builder," W.C.2.

ALLERTON prepares Surveys, Drawings, for joinery, shop-fronts, fittings, alterations, interiors, offices, exhibits, signs, landscape gardens, iron-work.—ALLERTON STUDIO, 14, Maley-ave., S.E.27. 'Phone: Gipsy Hill 3782.

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The envelope must not bear any name or mark indicating the sender.

By order,
HAROLD PARTINGTON,
Town Clerk.

Town Hall,
Bootle,
20th June, 1946.

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Advertisements should be addressed, General Manager, "The Builder," Ltd., 4, Catherine Street, Aldwych, W.C.2. Temple Bar 6251-2-3.

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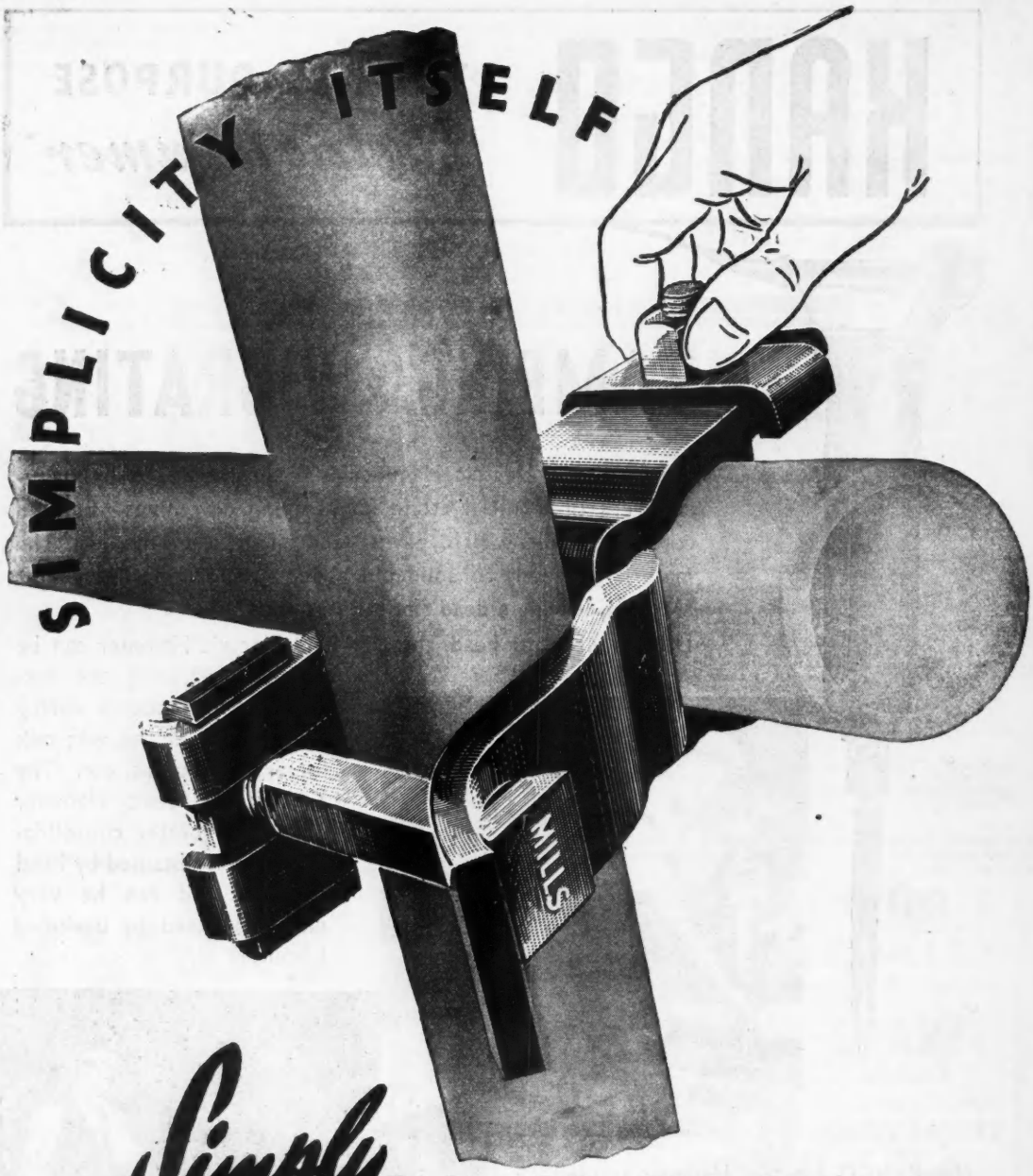

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